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## THE VALUE OF DETENTION AS A RECONSTRUCTION MEASURE.<sup>1</sup>

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The value of detention as a reconstruction measure should be of vital interest to the American Association of Obstetricians and Gynecologists, for it is to this group of the profession more than to any other, except, possibly, the psychiatrists, that society must look for the development of that branch of the peace-time program that has to do with the prevention and control of venereal diseases.

Many of you are no doubt familiar with sections 12 and 13 of the selective service act. These two sections have perhaps surpassed anything thus far known in national legislation. Section 12 prohibited the distribution of liquor to troops; section 13, suppressed prostitution, not only in the immediate vicinity of camps, but in a zone whose limits were from 5 to 10 miles surrounding each mobilization center, and further where the necessity for extension presented itself. To enforce these laws was no small task. The offenders, as well as their protectors, were extremely difficult to manage. The law enforcement division of the Commission on Training Camp Activities, which was organized September, 1917, was given the responsibility for enforcing the law contained in these two remarkable sections. The present discussion is confined to the work in connection with section 13.

In September, 1917, when the commission was formed, a committee on protective work for girls was created as one of the constituent parts of the commission. The function of this committee was to provide for young girls in the mobilization areas on the assumption that these girls needed protection to keep them from becoming sex offenders. Six months' work demonstrated that the number of delinquent girls in the vicinity of military camps was so great that a reorganization of the committee on a new basis was necessary. In April, 1918, the section on women and girls was created as a part of the law enforcement division of the Commission on Training Camp Activities, authorized to deal primarily with women and girls who were sex offenders. The protective and recreational work with the girls who were not sex offenders was left to local organizations.

<sup>1</sup> Read at the meeting of the American Association of Obstetricians and Gynecologists, Cincinnati, Ohio, September 15, 1919.

One of the first very prominent problems confronting the commission was how to provide detention for women and girls arrested under this act. It is to be borne in mind that the cantonments were, with but few exceptions, located in comparatively small southern cities where proper custodial care even for ordinary offenders was quite undeveloped. To meet this emergency the President set aside from his War Emergency Fund, generally spoken of as the National Security and Defense Fund, the amount of \$250,000 to provide suitable facilities for the custody and rehabilitation of girls and women who were a menace to the men in training. A special section was added to the Commission on Training Camp Activities, known as the section on reformatories and detention houses.

That the offenders arrested under section 13 were mainly prostitutes was not surprising, and that they should be found infected with venereal disease was expected. Medical supervision then became the most important service in the detention homes created in the extra-cantonment zones. The Public Health Service assumed the responsibility for the care of the delinquents. Very little attention was paid during the war to reconstruction work, because of the urgent necessity of other branches of the work and the lack of adequately trained personnel.

Practically all the detention stations which were established were of an emergency nature, as immediate action was necessary to meet the unusual situation that had been created. In a few instances it was possible to arrange with already existing institutions to admit and care for the persons held for detention; but this was the exception rather than the rule. In fact, during the year 1918 there were only about eight States that were making provision for the detention of venereally infected women other than that of confining them to county and city jails. Only one State had any provision for the detention of colored women.

As a result of the efforts of the various Federal agencies, 34 States provided more or less adequate detention measures for persons infected with venereal diseases, detention hospitals being established usually in towns and cities adjacent to military camps. A list of these detention hospitals, with their location, was published in Reprint No. 521 from Public Health Reports of May 2, 1919.

Most of these detention homes were temporary structures, and the equipment and personnel varied considerably, depending upon the amount of funds available and the possibility of securing trained workers to perform the duties of matrons and attendants. Notwithstanding the difficulty attendant upon providing proper detention facilities, these institutions fulfilled a very essential and important function in limiting the spread of venereal diseases in the civilian areas adjacent to Army and Navy camps.

The establishment of these institutions was received by the local communities in widely varying manners. In some places the officials and social agencies gave the institutions most cordial and intelligent support, while in others practically no help could be counted upon from the local community. Likewise, some degree of criticism was directed toward many of the institutions because the critics failed to understand the object to be accomplished. Several articles were written and published in various magazines criticising the action of the Government in detaining venereally infected women, it being stated that such a procedure was a revival of the plan for regulating prostitution that has for many years been employed in various European countries practically without any success in its effect upon the control of venereal diseases.

That such a view was erroneous can easily be shown by any one familiar with the facts. The civil and military authorities were confronted with a condition, not a theory—a condition which required the immediate isolation of as many venereally infected persons acting as spreaders of disease as could be quickly apprehended and quarantined. It was not a measure instituted for the punishment of prostitutes on account of infraction of the civil or moral law, but was strictly a public health measure to prevent the spread of dangerous, communicable diseases.

The law specifically stated that the measures instituted were for the protection of the health of the soldiers and sailors. The soldiers and sailors obviously contracted their venereal infections from infected women. Therefore, for the purpose to be accomplished, it was not necessary to isolate venereally infected men prior to their induction into military service.

The assembling of large numbers of venereally infected prostitutes in these various institutions offered a splendid opportunity for sociological and psychological investigation in regard to the causes of prostitution in general, and for studying the type of women that furnished the great bulk of prostitutes.

History sheets of more than 9,000 individuals were collected among the 30,000 women who were apprehended during the war. These history sheets are now the property of the Interdepartmental Social Hygiene Board. Up to this time it has not been possible to study and tabulate these history sheets, but it is expected that this work will be accomplished some time in the near future. Undoubtedly the data so obtained will be of great value to all persons interested in the problem of the control of venereal diseases.

Intensive studies were made upon two groups of detained women in two separate States. The data are now ready for publication and will soon appear as a bulletin of the Public Health Service.

At most of the detention stations some effort was made to provide both recreation and occupation for the detained women. As these women were being isolated as a health measure, it was necessary to

release them from detention as soon as they ceased to be a menace to the soldiers and sailors, as determined by finding them free from venereal infection in a communicable form.

Now, detention of persons suspected of being infected, or known to be infected, is absolutely imperative in peace time, as well as in war time. Prof. Albert Neisser, of Breslau, discussing "War, Prostitution, and Venereal Diseases," says:

"The greatest possible sanitation of prostitution must be provided for, so far as other efforts are unsuccessful, by arresting the prostitutes. I ask myself why this sharp but so useful measure is not relentlessly resorted to. This method of elimination is the most effective, since sanitation in the case of the most prevalent venereal disease, gonorrhoea, is impossible anyway, and because, considering the enormous number of visits of the individual females, not even a daily medical examination would accomplish the purpose, aside from the impossibility of performing a really good examination of prostitutes.

"As regards syphilis, sanitation is much more conceivable. The capacity of all prostitutes for transmitting infection could easily be much lowered if every single one (without bothering about a special diagnosis) were subjected to an energetic salvarsan treatment, or, perhaps, a treatment with salvarsan combined with mercury. If there should actually be one among them uninfected with syphilis, the treatment would surely do her no harm."

The word "detention" unfortunately carries with it the stigma of a penal institution just as "venereal diseases" implies to the lay mind diseases of venery or immorality. Effort must be made to inculcate into the minds of the public that while detention is imperative as a sanitary measure it should not brand the detained individuals as criminals.

The two years of war have given us volumes of data proving conclusively that the prostitute or sex offender requires individual correctional care to overcome the handicaps of mental inferiority, physical defects, educational neglect, and hereditary and environmental influences.

The detention home has a definite place in the reconstruction program, but it must be a detention home only in the sense that individuals are detained until such time as they can be returned to society equipped to take their places as respectable and respected citizens.

Without posing as an authority on this important subject or attempting to prescribe dogmatic rules and regulations for establishing and operating detention homes, I might suggest several obvious rules to be followed:

The ideal location for a detention home is in the country. This gives opportunity for outdoor exercise and work, which are of great rehabilitating value. There must be sufficient space in order that the mentally normal can be separated from the subnormal, and that the girls



can be separated from the women, because the problem of moral contagion is as great as that of physical contagion.

Competent medical attendance is essential. Adequate hospital facilities for the care of the venereal and other infections are imperative.

The atmosphere of the place should be as homelike as possible; the personnel should be selected from women who are specially qualified and trained and who have a sympathetic interest and a belief in the movement.

To merely use a detention home for the cure and treatment of venereal diseases is to promote a vicious cycle. Unless the individual detained is given a vocational training whereby a decent economic status can be maintained, the detention home contributes to delinquency rather than corrects it.

The responsibility of the detention home in the matter of correctional therapy extends beyond its walls. This responsibility is met only when an efficient follow-up system is established and maintained. William Healy, in his book, "The Individual Delinquent," says, with reference to the proper methods of treating delinquents:

"Comparable is the new social service work done in connection with hospitals, the principle being that if the hospital has given its services as far as the convalescent stage, it is a matter of the greatest economy to carry them still further and to see that the patient is restored to social efficiency. Now, the hospital patient's inefficiency is mostly a negative quantity. The ex-prisoner's failure is a positive menace. Society has undertaken to treat him for his misconduct; it desires his moral well-being and general welfare. The penal failure, which is everywhere witnessed by recidivism, can best be prevented by after-care methods that are based on full appreciation of the offender's needs and possibilities. Perfunctory parole work is to be regarded as a weak effort. The same is true of aid to discharged prisoners by whatever agency. Successful relief must be based on understanding of the individual and his relation to his environment."

The war-time detention house was designed primarily to meet an emergency to protect the fighting men from venereal infections. The peace-time detention house should be conducted to meet the needs of the peace-time program; it must be designed to protect the working forces and posterity from venereal infections. The peace-time detention home, however, must fulfill certain definite requirements: It must provide correctional facilities as well as medical facilities; it must be a house of detention, a reformatory, a protectorate, a reconstruction station all in one; and it must be a part of the State venereal disease control program, supported by legal and executive machinery and backed by enlightened public opinion.

#### **STEAM AS A BEDBUG ERADICATOR.**

The use of live steam to eradicate bedbugs has been practiced very successfully by the Booth-Kelly Lumber Co. of Eugene, Oreg., an account of which has been furnished the United States

Public Health Service by Dr. T. Tharaldsen, of Portland. The unqualified success of this company in ridding its bunkhouse of bedbugs by means of steam is particularly interesting because of the size of the building and the large number of rooms it contains.

The bunkhouse is a T-shaped building of 70 rooms, each 10 by 12 feet, and has an 8-foot hallway running the full length of each wing. It is of ordinary frame construction, with 2 by 4 inch studding, ceiled with  $\frac{3}{4}$ -inch ceiling, and is of rustic finish outside. The building is heated by steam which is supplied by the mill boiler plant. The heating system consists of radiators in the halls and four  $1\frac{1}{2}$ -inch pipes running the full length of the building and exposed in each room. These pipes are tapped in each room with a  $\frac{1}{4}$ -inch tap and plugged with an ordinary pipe plug.

In heating the building the pressure in the steam pipes is reduced by means of a reducing valve to 10 or 12 pounds to the square inch; but in steaming to superheat the building to kill the bedbugs the reducing valve is opened and the pressure is increased to 80 or 100 pounds. The windows and doors are shut, but no attempt is made to calk any of the cracks. Articles which might be injured by steam are removed, but all bedding, mattresses, and clothing are left in the rooms. The plugs in each room are opened and the valves on the radiators in the halls are turned on. It requires about two hours to raise the temperature of the building to 160° F. This temperature is then held for approximately three hours. After the steaming, a great many of the dead bugs are found on the floors and under the beds.

In the first trial made it was found that a temperature of about 150° F. killed all the bugs in sight, but in this trial only one room at a time was steamed and this method failed to get the bugs between the walls and those deeply imbedded in the mattresses. The method of steaming all of the rooms at the same time proved more effective.

The company states that two months after the steaming no signs of bedbugs had been found, and that it is the intention to steam the bunkhouse three or four times a year.

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#### THE BOYLSTON MEDICAL PRIZES.

Boylston medical prizes, which are open to public competition, are offered for the best dissertation on questions in medical science proposed by the Boylston Medical Committee.

At the annual meeting held in Boston in 1916, a prize of \$300 was awarded to an essay entitled "Studies of the Streptococcus of Smith," by Wilson G. Smillie, of Cambridge, Mass.

For 1919 there is offered a prize of \$300 and the Boylston Prize Medal for the best dissertation on the results of original research in medicine, the subject to be chosen by the writer. The Boylston

Prize Medal will be added to the money prize only in case the winning essay shows special originality in the investigations detailed.

In awarding these prizes, preference will be given to dissertations which exhibit original work; but if no dissertation is considered worthy of a prize, the award may be withheld.

Each dissertation must bear in place of the author's name, some sentence or device, and must be accompanied by a sealed packet bearing the same sentence or device, and containing the author's name and residence within.

Any clew by which the authorship of a dissertation is made known to the committee will debar such dissertation from competition.

Dissertations must be printed or typewritten, and their pages must be bound in book form.

All unsuccessful dissertations are deposited with the secretary, from whom they may be obtained, with the sealed packet unopened, if called for within one year after they have been received.

By an order adopted in 1826, the secretary was directed to publish annually the following votes:

1. That the board does not consider itself as approving the doctrines contained in any of the dissertations to which premiums may be adjudged.
2. That, in case of publication of a successful dissertation, the author be considered as bound to print the above note in connection therewith.

Dissertations entered for this prize must be in the hands of the secretary, Dr. H. C. Ernst, Harvard Medical School, Boston, Mass., on or before December 31, 1919.

The Boylston Medical Committee is appointed by the President and Fellows of Harvard College, and consists of the following: Dr. William F. Whitney, chairman; Dr. Harold C. Ernst, secretary; Dr. William T. Porter; Dr. Edward H. Nichols; Dr. Reid Hunt; Dr. Henry A. Christian, and Dr. John Warren.

The secretary of the committee, Dr. Harold C. Ernst, states that a similar announcement of prizes will be made for 1920.

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### **"TO-DAY'S WORLD PROBLEM IN DISEASE PREVENTION."**

The United States Public Health Service has recently published a 136-page book on venereal diseases, entitled "To-day's World Problem in Disease Prevention." It is a popular, nontechnical discussion of syphilis and gonorrhea by Dr. John H. Stokes, Chief of the Section of Dermatology and Syphilology of the Mayo Clinic, Rochester, Minn.

A limited number of copies of this book are now available, and until the supply is exhausted a copy will be sent to anyone who can use it advantageously. Applications should be made by letter addressed to the Surgeon General, United States Public Health Service, 228 First Street N. W., Washington, D. C.

## DEATHS DURING WEEK ENDED NOV. 15, 1919.

From the "Weekly Health Index," Nov. 18, 1919, issued by the Bureau of the Census, Department of Commerce.

Deaths from all causes in certain large cities of the United States during the week ended Nov. 15, 1919, infant mortality (per cent), annual death rates, and comparison with corresponding week of preceding years.

City.	Population July 1, 1918, estimated.	Week ended Nov. 15, 1919.		Average annual death rate per 1,000. <sup>2</sup>	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. <sup>1</sup>		Week ended Nov. 15, 1919.	Previous year or years. <sup>3</sup>
Albany, N. Y.	112,565	28	13.0	C 16.9	21.4	C 19.4
Atlanta, Ga.	201,732	60	15.5	C 16.5	13.3	C 12.9
Baltimore, Md.	669,981	217	16.9	A 17.5	18.4	A 15.2
Birmingham, Ala.	197,670	55	14.5	A 16.1	12.7	A 13.1
Boston, Mass.	785,245	201	13.3	A 14.9	13.4	A 15.4
Buffalo, N. Y.	473,229	126	13.9	A 14.8	19.8	A 18.7
Cambridge, Mass.	111,432	23	10.8	A 11.0	21.7	A 12.2
Chicago, Ill.	2,596,681	566	11.4	A 12.8	14.1	A 15.9
Cincinnati, Ohio.	418,022	105	13.1	C 15.0	11.4	C 7.6
Cleveland, Ohio.	810,306	158	10.2	C 12.3	14.6	C 19.0
Columbus, Ohio.	225,296	39	13.7	C 14.5	15.3	C 9.8
Dayton, Ohio.	130,655	24	9.6	A 15.1	20.8	A 6.6
Denver, Colo.		63		A 11.4	11.1	
Fall River, Mass.	128,392	36	14.6	C 8.6	19.4	C 23.8
Grand Rapids, Mich.	135,450	35	13.5	C 9.4	11.4	C 4.2
Indianapolis, Ind.	290,389	56	10.1	C 13.1	10.7	C 8.5
Jersey City, N. J.	318,770	69	11.3	C 14.0	17.4	22.6
Louisville, Ky.	242,707	51	11.0	C 21.0	19.6	7.2
Lowell, Mass.	109,081	30	14.3	A 16.5	33.3	A 24.0
Memphis, Tenn.	154,759	49	16.5	C 16.5	12.2	C 14.6
Milwaukee, Wis.	453,481	83	9.5	A 11.0	16.9	A 21.5
Minneapolis, Minn.	383,442	64	8.7	C 9.9	12.5	C 12.7
Nashville, Tenn.	119,215	40	17.5	C 15.4		C 11.4
Newark, N. J.	428,684	87	10.6	A 13.2	20.7	
New Haven, Conn.	154,865	27	9.1	C 15.4	25.9	C 13.3
New Orleans, La.	382,273	112	15.3	A 20.2	9.8	A 10.0
New York, N. Y.	5,215,879	1,115	11.1	A 13.2	11.3	A 15.5
Oakland, Calif.	214,206	42	10.2	A 11.4	4.8	A 5.7
Omaha, Nebr.	180,264	40	11.6	C 15.9	7.5	C 2.0
Philadelphia, Pa.	1,761,371	421	12.5	C 15.6	13.5	C 13.4
Pittsburgh, Pa.	593,303	134	11.8	A 17.2	20.1	C 11.4
Portland, Oreg.		47		C 9.1	14.9	C 11.1
Providence, R. I.	263,613	54	10.7	C 12.1	20.4	C 10.0
Richmond, Va.	160,719	53	17.2	C 14.1	15.1	C 9.3
Rochester, N. Y.	264,856	61	12.0	C 9.6	14.8	C 10.4
St. Louis, Mo.	779,951	156	10.4	C 11.9	5.1	C 10.2
St. Paul, Minn.	257,699	32	6.5	C 10.7	6.3	C 9.6
San Francisco, Calif.	478,539	108	11.8	C 14.2	4.6	C 3.9
Spokane, Wash.		33		C 7.6		C 17.4
Syracuse, N. Y.	161,404	28	9.0	C 9.9	10.7	C 13.3
Toledo, Ohio.	262,234	67	13.3	A 12.7	9.0	A 12.3
Washington, D. C.	401,681	107	13.9	A 17.4	14.0	A 12.1
Worcester, Mass.	173,650	38	11.4	C 14.7	13.2	C 12.5

<sup>1</sup> Annual rates per 1,000 estimated population.

<sup>2</sup> "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1917.

<sup>3</sup> Population estimated as of July 1, 1919.

<sup>4</sup> Data are based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended Nov. 15, 1919.

Policies in force.....	40,791,756
Number of death claims.....	6,603
Death claims per 1,000 policies in force, annual rate.....	8.4

# PREVALENCE OF DISEASE.

*No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.*

## UNITED STATES.

### CURRENT STATE SUMMARIES.

#### Telegraphic Reports for Week Ended Nov. 22, 1919.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

ALABAMA.		CALIFORNIA—continued.	
	Cases.		Cases.
Diphtheria.....	42	Smallpox—Continued.....	
Influenza.....	3	Hemet.....	2
Malaria.....	5	Humboldt County.....	3
Scarlet fever.....	13	Long Beach.....	1
Smallpox.....	11	Los Angeles County.....	2
Tuberculosis (pulmonary).....	6	Los Angeles.....	2
Typhoid fever.....	11	Manteca.....	3
Veneral diseases.....	73	Napa.....	1
Whooping cough.....	2	Needles.....	1
		Oakland.....	13
ARKANSAS.		Pittsburg.....	2
Cerebrospinal meningitis.....	3	San Joaquin County.....	1
Chancroid.....	4	Selma.....	1
Chicken pox.....	17	Whittier.....	4
Diphtheria.....	32	Typhoid fever:	
Gonorrhea.....	49	Oroville.....	3
Hookworm.....	1	Fresno County.....	3
Influenza.....	29	Los Angeles.....	3
Malaria.....	157	Scattering.....	6
Ophthalmia neonatorum.....	1		
Pellagra.....	7	CONNECTICUT.	
Scarlet fever.....	34	Cerebrospinal meningitis:	
Smallpox.....	12	Hartford County—	
Syphilis.....	11	Hartford.....	1
Trachoma.....	3	Chicken pox.....	67
Tuberculosis.....	9	Diphtheria:	
Typhoid fever.....	27	Fairfield County—	
Whooping cough.....	12	Bridgeport.....	16
CALIFORNIA.		Greenwich.....	6
Cerebrospinal meningitis:		Stamford.....	3
Sacramento.....	1	Stratford.....	6
Influenza.....	20	Hartford County—	
Smallpox:		Hartford.....	9
Amador County.....	1	New Britain.....	8
Berkeley.....	1	Southington.....	5
Eureka.....	1	Scattering.....	7
Fillmore.....	10	Litchfield County—	
Fullerton.....	1	Thomaston.....	1
		Middlesex County—	
		East Hampton.....	1



## Telegraphic Reports for Week Ended Nov. 22, 1919—Continued.

CONNECTICUT—continued.		CONNECTICUT—continued.	
Diphtheria—Continued.	Cases.	Scarlet fever—Continued.	Cases.
New Haven County—		Windham County—	
Derby.....	4	Putnam.....	2
New Haven.....	13	Willimantic.....	6
Waterbury.....	37	Septic sore throat.....	2
Scattering.....	7	Syphilis.....	55
New London County—		Tuberculosis.....	32
Stonington.....	10	Typhoid fever:	
Scattering.....	3	Fairfield County—	
Tolland County—		Stamford.....	4
Scattering.....	4	Middlesex County—	
Windham County—		Middletown.....	1
Willimantic.....	1	New Haven County—	
Gonorrhea.....	20	New Haven.....	3
Influenza:		Tolland County—	
Hartford County—		Mansfield.....	1
New Britain.....	4	Whooping cough.....	16
New London County—			
Groton.....	1		
Lethargic encephalitis:			
New Haven County—			
Derby.....	1		
Measles:			
Fairfield County—			
Bridgeport.....	16		
Stamford.....	16		
Siratford.....	3		
Hartford County:			
Hartford.....	2		
New Haven County—			
Milford.....	3		
New Haven.....	40		
Orange.....	3		
Seymour.....	7		
Waterbury.....	13		
Scattering.....	2		
Windham County—			
Plainfield.....	12		
Measles (German).....	1		
Mumps.....	7		
Pneumonia.....	5		
Scarlet fever:			
Fairfield County—			
Greenwich.....	4		
Stamford.....	3		
Scattering.....	6		
Hartford County—			
Hartford.....	16		
New Britain.....	4		
Scattering.....	6		
Litchfield County—			
Plymouth.....	6		
Scattering.....	2		
Middlesex County—			
Essex.....	1		
New Haven County—			
Meriden.....	3		
New Haven.....	8		
Wallingford.....	6		
Waterbury.....	6		
Scattering.....	4		
New London County—			
Scattering.....	3		
Tolland County—			
Scattering.....	4		

CONNECTICUT—continued.	
Scarlet fever—Continued.	Cases.
Windham County—	
Putnam.....	2
Willimantic.....	6
Septic sore throat.....	2
Syphilis.....	55
Tuberculosis.....	32
Typhoid fever:	
Fairfield County—	
Stamford.....	4
Middlesex County—	
Middletown.....	1
New Haven County—	
New Haven.....	3
Tolland County—	
Mansfield.....	1
Whooping cough.....	16

## DELAWARE.

Chicken pox.....	1
Diphtheria:	
New Castle.....	1
Wilmington.....	9
Influenza:	
Odesa.....	3
Port Penn.....	2
Measles:	
Bear.....	1
Harrington.....	1
Lewis.....	1
Pneumonia:	
Lancaster.....	1
Wilmington.....	2
Scarlet fever:	
Bridgeville.....	1
Naamans.....	1
Wilmington.....	1
Small pox:	
Fairmont.....	1
Millsboro.....	1
Tuberculosis:	
Dover.....	1
Wilmington.....	2
Typhoid fever:	
Wilmington.....	2
Whooping cough.....	2

## FLORIDA.

Diphtheria.....	22
Dysentery.....	9
Influenza.....	18
Pneumonia.....	23
Malaria.....	119
Measles.....	10
Scarlet fever.....	7
Typhoid fever.....	9

## GEORGIA.

Cerebrospinal meningitis.....	2
Chicken pox.....	3
Diphtheria.....	70
Dysentery (bacillary).....	4
Gonorrhea.....	67
Hookworm.....	4
Influenza.....	32

## Telegraphic Reports for Week Ended Nov. 22, 1919—Continued.

GEORGIA—continued.		INDIANA.	
	Cases.		Cases.
Malaria.....	59	Cerebrospinal meningitis:	
Measles.....	20	Kosciusko County.....	1
Mumps.....	56	Chancroid.....	4
Pneumonia (acute lobar).....	5	Diphtheria:	
Polio-myelitis.....	3	Blackford County.....	4
Scarlet fever.....	25	Clark County.....	4
Septic sore throat.....	2	DeKalb County.....	4
Smallpox.....	9	Grant County.....	3
Syphilis.....	37	Huntington County.....	7
Tetanus.....	1	Lake County.....	47
Trachoma.....	1	Madison County.....	3
Tuberculosis (pulmonary).....	25	Marion County.....	12
Typhoid fever.....	40	Steuben County.....	5
Whooping cough.....	8	Vanderburg County.....	10
ILLINOIS.		Vigo County.....	6
Cerebrospinal meningitis:		Scattering.....	23
Chicago.....	6	Gonorrhea.....	120
Clinton County.....	3	Influenza:	
Kendall County.....	1	DeKalb County.....	10
Kendall.....	2	Miami County.....	3
Lookingglass.....	2	Tippecanoe County.....	3
Chancroid.....	23	Scattering.....	11
Diphtheria:		Scarlet fever:	
Chicago.....	236	Allen County.....	3
Decatur.....	6	Cass County.....	11
East St. Louis.....	7	Clark County.....	3
Fayette County.....	5	DeKalb County.....	6
Granite City.....	9	Elkhart County.....	5
Hurricane.....	2	Floyd County.....	3
Peoria.....	7	Grant County.....	3
Prairie du Rocher.....	5	Green County.....	4
Streator.....	5	Jasper County.....	5
Scattering.....	74	Lake County.....	12
Gonorrhea.....	313	Marion County.....	14
Influenza:		Montgomery County.....	5
Chicago.....	48	Pike County.....	4
Scattering.....	12	Pulaski County.....	3
Lethargic encephalitis:		Ripley County.....	18
Chicago.....	4	Rush County.....	6
Polio-myelitis:		Shelby County.....	8
Chicago.....	1	St. Joseph County.....	7
Lowe.....	2	Tippecanoe County.....	5
Morgan County—		Vanderburg County.....	3
Jacksonville Precinct.....	1	Vigo County.....	7
Moultrie County.....	1	Wayne County.....	6
New Berlin.....	1	White County.....	7
Scarlet fever:		Scattering.....	28
Alton.....	15	Smallpox:	
Chicago.....	253	Cass County.....	3
Jasper County.....	4	Franklin County.....	4
Oakland.....	4	Grant County.....	12
South Muddy.....	2	Howard County.....	22
Springfield.....	3	Spencer County.....	3
Scattering.....	89	St. Joseph County.....	17
Syphilis.....	217	Sullivan County.....	3
Typhoid fever:		Tippecanoe County.....	11
Alton.....	3	Vermilion County.....	8
Breeze.....	3	Vigo County.....	11
Chicago.....	2	Warren County.....	5
Galesburg.....	4	White County.....	5
Havana.....	3	Scattering.....	15
Rockford.....	3	Syphilis.....	76
West Frankford.....	6	Typhoid fever:	
Scattering.....	17	Orange County.....	7
		Scattering.....	20

## Telegraphic Reports for Week Ended Nov. 22, 1919—Continued.

IOWA.		Cases.	KANSAS.		Cases.
Cerebrospinal meningitis:			Diphtheria.....		120
Clay County.....		1	Influenza.....		27
Clinton County.....		1	Smallpox.....		76
Rudd.....		1	Scarlet fever.....		111
Chaneroid.....		7	LOUISIANA.		
Chicken pox.....		1	Chaneroid.....		24
Diphtheria:			Diphtheria.....		14
Albia.....		1	Gonorrhea.....		69
Cass County.....		6	Lethargic encephalitis.....		1
Cedar Rapids.....		1	Plague (bubonic).....		1
Council Bluffs.....		4	Scarlet fever.....		12
Davenport.....		1	Smallpox.....		5
Des Moines.....		11	Syphilis.....		34
Emmetsburg.....		1	Typhoid fever.....		9
Fort Dodge.....		3	MAINE.		
Harwarden.....		2	Chaneroid.....		1
McGregor.....		2	Chicken pox.....		7
Mason City.....		2	Diphtheria:		
Marshall County.....		1	Augusta.....		1
Polk County.....		1	Berwick.....		1
Gonorrhea.....		145	Brewer.....		1
Measles:			Kinfield.....		1
Dubuque.....		1	Lewiston.....		1
Mumps.....		1	Portland.....		1
Poliomyelitis:			Rockport.....		1
Rudd.....		1	Gonorrhea.....		32
Scarlet fever:			Influenza:		
Atlanta.....		4	Bath.....		5
Boone.....		3	Bridgeton.....		4
Burinton.....		1	Lewiston.....		1
Cedar County.....		1	Norway.....		1
Cedar Falls.....		1	Measles:		
Clearfield.....		1	Bath.....		1
Council Bluffs.....		2	Mumps.....		1
Davenport.....		2	Pneumonia:		
Des Moines.....		8	Portland.....		5
Dubuque.....		2	Scarlet fever:		
Greenfield.....		1	Augusta.....		5
Gunwald.....		1	Chelsea.....		1
Harrison County.....		2	Farmington.....		5
Lucas County.....		2	Perham.....		7
Madrid.....		1	Portland.....		6
Mason City.....		1	Stockholm.....		3
Palo Alto County.....		4	Wilton.....		5
Plover.....		1	Winthrop.....		2
Polk County.....		2	Smallpox:		
Pottawattamie County.....		3	Augusta.....		1
Taylor County.....		1	Etna.....		1
Worth County.....		1	Lewiston.....		1
Smallpox:			Lisbon.....		1
Cedar Falls.....		8	Norway.....		1
Clinton.....		1	Stockton Springs.....		12
Clinton County.....		4	Syphilis.....		13
Davenport.....		17	Tuberculosis.....		40
Dubuque.....		5	Typhoid fever:		
Fort Dodge.....		1	Augusta.....		1
Harrison County.....		2	Bath.....		1
Mount Pleasant.....		1	Kennebunk.....		3
Ringgold County.....		4	Lewiston.....		1
Steamboat Rock.....		1	Princeton.....		1
Shelby County.....		2	South Berwick.....		1
Tama County.....		6	Whooping cough.....		23
Syphilis.....		74			

## Telegraphic Reports for Week Ended Nov. 22, 1919—Continued.

MASSACHUSETTS.	Cases.	NEW YORK—continued.	Cases.
Anthrax.....	2	Chicken pox.....	213
Cerebrospinal meningitis.....	4	Diphtheria:	
Chicken pox.....	174	Erie County.....	182
Conjunctivitis (suppurative).....	3	Scatterling.....	250
Diphtheria.....	259	Gonorrhea.....	61
Gonorrhea.....	154	Influenza.....	43
Influenza.....	36	Measles.....	124
Measles (German).....	8	Mumps.....	148
Measles.....	271	Ophthalmia neonatorum.....	1
Mumps.....	141	Pneumonia.....	87
Ophthalmia neonatorum.....	35	Poliomyelitis:	
Poliomyelitis (anterior).....	1	Bath.....	1
Pneumonia (lobar).....	61	Oneonta.....	1
Scarlet fever.....	250	Schenectady.....	2
Septic sore throat.....	6	Scarlet fever.....	223
Syphilis.....	85	Smallpox:	
Tetanus.....	2	Buffalo City.....	3
Trachoma.....	1	Syphilis.....	220
Tuberculosis (pulmonary).....	143	Trachoma:	
Tuberculosis (other forms).....	19	Cortland.....	1
Typhoid fever.....	18	Typhoid fever.....	26
Whooping cough.....	194	Whooping cough.....	254
MINNESOTA.		NORTH CAROLINA.	
Chancreoid.....	3	Cerebrospinal meningitis.....	2
Gonorrhea.....	103	Chancreoid.....	8
Poliomyelitis.....	2	Chicken pox.....	54
Smallpox (new foci):		Cholera (infantum).....	1
Douglas County, Ida Township.....	1	Diphtheria.....	154
Martin County, Truman Village.....	1	Gonorrhea.....	8
Pipestone County, Ruthon Village.....	1	Measles.....	37
Syphilis.....	58	Pneumonia (lobar).....	10
MONTANA.		Pneumonia (broncho).....	9
Cerebrospinal meningitis:		Poliomyelitis.....	5
Laurel.....	2	Scarlet fever.....	69
Diphtheria.....	12	Septic sore throat.....	3
Influenza.....	3	Smallpox.....	30
Poliomyelitis:		Syphilis.....	35
Miles City.....	1	Typhoid fever.....	27
Scarlet fever.....	29	Whooping cough.....	124
Smallpox.....	33	OHIO.	
Typhoid fever.....	4	Diphtheria:	
NEW JERSEY.		Cincinnati.....	24
Diphtheria:		Youngstown.....	19
Unusually prevalent in many parts of the		Scarlet fever:	
State, particularly in—		Cincinnati.....	45
Bridgeton.....		Youngstown.....	15
Orange.....		Smallpox:	
Paterson.....		Youngstown.....	9
Perth Amboy.....		Typhoid fever:	
Influenza.....	29	Lima.....	6
Pneumonia.....	54	VERMONT.	
NEW YORK.		Chicken pox.....	53
(Exclusive of New York City.)		Diphtheria.....	3
Cerebrospinal meningitis:		Influenza.....	4
Rochester City.....	1	Pneumonia.....	7
Turin City.....	1	Measles.....	24
Turin Village.....	1	Mumps.....	80
Walton Village.....	1	Scarlet fever.....	93
		Typhoid fever.....	2
		Whooping cough.....	136

## Telegraphic Reports for Week Ended Nov. 22, 1919—Continued.

VIRGINIA.		Cases.	WEST VIRGINIA—continued.		Cases.
Smallpox:			Scarlet Fever—Continued.		
Several cases in—			Montgomery.....		1
King George County.			Morgantown.....		1
Montgomery.			Salem.....		3
Wise.....		3	Smallpox:		
WASHINGTON.			Grafton.....		1
Chicken pox.....		113	Martinsburg.....		3
Diphtheria.....		41	Montgomery.....		2
Influenza.....		11	Typhoid fever:		
Measles.....		47	Bluefield.....		1
Mumps.....		59	Keyser.....		1
Pneumonia.....		1	Ripley.....		3
Scarlet fever.....		44	Williamson.....		2
Smallpox.....		165	WISCONSIN.		
Tuberculosis.....		3	Milwaukee:		
Typhoid fever.....		6	Cerebrospinal meningitis.....		2
Whooping cough.....		52	Chicken pox.....		59
WEST VIRGINIA.			Erysipelas.....		2
Cerebrospinal meningitis:			Diphtheria.....		54
Bluefield.....		1	Measles.....		31
Diphtheria:			Scarlet fever.....		34
Charleston.....		6	Smallpox.....		13
Clarksburg.....		4	Tuberculosis.....		4
Elkins.....		4	Typhoid fever.....		1
Fairmont.....		6	Whooping cough.....		15
Grafton.....		1	Scattering:		
Hinton.....		1	Cerebrospinal meningitis.....		1
Huntington.....		4	Chancreoid.....		3
Logan.....		1	Chicken pox.....		78
Martinsburg.....		2	Diphtheria.....		28
Montgomery.....		3	Gonorrhea.....		90
Parkersburg.....		1	Influenza—		
Weston.....		2	Burnett County, Grantsville.....		4
Williamson.....		2	Price County, Lake.....		3
Scarlet fever:			Measles.....		121
Bluefield.....		2	Ilethymyellitis.....		3
Charleston.....		1	Scarlet fever.....		67
Clarksburg.....		6	Erysipelas.....		72
Fairmont.....		10	Syphilis.....		3
Huntington.....		1	Tuberculosis.....		19
			Typhoid fever.....		5
			Whooping cough.....		29

## Kentucky Report for Week Ended Nov. 15, 1919.

		Cases.			Cases.
Bronchitis.....		1	Influenza:		
Cerebrospinal meningitis.....		1	Fleming County.....		4
Chancreoid.....		1	Hart County.....		4
Chicken pox.....		24	Hickman County.....		7
Diphtheria:			Logan County.....		5
Adair County.....		4	Monroe County.....		5
Hickman County.....		11	Pike County.....		7
Jefferson County—			Whitley County.....		9
Louisville.....		34	Scattering.....		27
Kenton County.....		7	Malaria.....		2
Lincoln County.....		9	Measles:		
McCracken County.....		8	Clark County.....		18
Mason County.....		4	Graves County.....		10
Ohio County.....		4	Scattering.....		10
Shelby County.....		7	Mumps.....		2
Spencer County.....		5	Paratyphoid fever.....		3
Scattering.....		50	Pellagra.....		3
Dysentery.....		10	Pneumonia:		
Erysipelas.....		1	Butler County.....		6
Heccolitis.....		2	Scattering.....		34



## Kentucky Report for Week Ended Nov. 15, 1919—Continued.

	Cases.		Cases.
Pollomyelitis.....	2	Streptococcus in lungs.....	1
Scabies.....	1	Tonsillitis.....	10
Scarlet fever:		Trachoma:	
Breckenridge County.....	4	Jefferson County—	
Carroll County.....	7	Louisville.....	4
Crittenden County.....	10	Pike County.....	11
Davies County.....	5	Tuberculosis:	
Knox County.....	6	Jefferson County—	
Monroe County.....	5	Louisville.....	7
Shelby County.....	5	Scattering.....	11
Simpson County.....	6	Typhoid fever:	
Union County.....	7	Davies County.....	4
Scattering.....	29	Lincoln County.....	8
Septic sore throat:		Scott County.....	4
Logan County.....	4	Scattering.....	43
Scattering.....	14	Vincent's angina.....	1
Smallpox:		Whooping cough.....	48
Whitley County.....	5		
Scattering.....	6		

## SUMMARY OF CASES REPORTED MONTHLY BY STATES.

Tables showing by counties the reported cases of cerebrospinal meningitis, malaria, pellagra, poliomyelitis, smallpox, and typhoid fever are published under the names of these diseases. (See names of these and other diseases in the table of contents.)

The following monthly Stat reports include only those which were received during the current week. These reports appear each week as received.

State.	Cerebro-spinal meningitis.	Diphtheria.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1919.									
Arizona (September).....	1	2					2		12
Arizona (October).....									1
Delaware (October).....		27	1				26	6	24
Florida (October).....	5	84	379	2	10		17	6	41
Idaho (October).....		9		2		1	20		26
Louisiana (October).....	2	67	320	33	3	2	56	29	69
Michigan (October).....		675		509		8	659	164	141
New Jersey (October).....	17	757	11	227		6	354		97
Rhode Island (October).....		108		6		1	77		12
Vermont (October).....		23		69		2	29		9
West Virginia (October)...	3	665		19		9	352	216	161

## ANTHRAX.

## California and Louisiana.

During the week ended November 8, 1919, one case of anthrax was reported at Sacramento, and one at San Diego, Calif. During October one case was reported in Louisiana.

## CEREBROSPINAL MENINGITIS.

## State Reports for September and October, 1919.

Place.	New cases reported.	Place.	New cases reported.
Arizona (September):		New Jersey (October):	
Maricopa County—		Bergen County.....	1
Phoenix.....	1	Essex County.....	5
Florida (October):		Hudson County.....	7
Columbia County.....	1	Mercer County.....	2
Duval County—		Middlesex County.....	1
Jacksonville.....	2	Union County.....	1
Hillsboro County.....	1	Total.....	17
Pinellas County.....	1		
Total.....	5	West Virginia (October):	
Louisiana (October):		Morgan County.....	1
Avoyelles Parish.....	1	Upshur County.....	1
Vermilion Parish.....	1	Wyoming County.....	1
Total.....	2	Total.....	3

## City Reports for Week Ended Nov. 8, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Boston, Mass.....	1	1	Philadelphia, Pa.....	1	1
Buffalo, N. Y.....	1		Pontiac, Mich.....	1	
Chicago, Ill.....	1	1	Providence, R. I.....	1	1
Denver, Colo.....	2	1	Saginaw, Mich.....		1
Granite City, Ill.....	1		San Francisco, Calif.....		1
Kansas City, Mo.....	1	1	Toledo, Ohio.....		1
Memphis, Tenn.....		1	Wheeling, W. Va.....		1
Moline, Ill.....	1		Wilkesburg, Pa.....	1	
Muncie, Ind.....	1	1	Wilmington, N. C.....		1
New York, N. Y.....	5		Winston-salem, N. C.....	1	1

## DENGUE.

## Florida and Louisiana—October, 1919.

During the month of October, 1919, three cases of dengue were reported in Florida, and one case was reported in Louisiana.

## DIPHTHERIA.

See Telegraphic weekly reports from States, p. 2717; Monthly summaries by States, p. 2723; and Weekly reports from cities, p. 2735.

## INFLUENZA.

## Taylor County, Kentucky.

A telegraphic report dated November 26, 1919, stated that a local outbreak of influenza had been reported in one district of Taylor County and that the disease was extending from the original focus.

## Cases Reported by State Health Officers, Week Ended Nov. 22 1919.

Alabama.....	3	Kansas.....	27
Arkansas.....	29	Maine.....	11
California.....	20	Massachusetts.....	36
Connecticut.....	5	Montana.....	3
Delaware.....	5	New Jersey.....	29
Florida.....	18	New York.....	43
Georgia.....	32	Vermont.....	4
Illinois.....	60	Washington.....	11
Indiana.....	27	Wisconsin.....	7

## LEPROSY.

New Orleans, La., and San Francisco, Calif.

During the week ended November 8, 1919, one case of leprosy was reported at New Orleans, La., and one death from this disease was reported at San Francisco, Calif.

## MALARIA.

## State Reports for October, 1919.

Place.	New cases reported.	Place.	New cases reported.
Delaware:		Louisiana:	
Kent County--		Acadia Parish.....	16
Smyrna.....	1	Ascension Parish.....	2
Florida:		Avozelles Parish.....	3
Alachua County.....	7	Beauregard Parish.....	41
Baker County.....	3	Caddo Parish.....	5
Bay County.....	4	Calcasieu Parish.....	1
Brevard County.....	1	Caldwell Parish.....	1
Calhoun County.....	4	Catahoula Parish.....	30
Citrus County.....	1	Concordia Parish.....	3
Clay County.....	2	De Soto Parish.....	20
Columbia County.....	3	East Carroll Parish.....	5
Dade County--		East Feliciana Parish.....	8
Miami.....	1	Evangeline Parish.....	5
De Soto County.....	15	Franklin Parish.....	1
Duval County.....	59	Grant Parish.....	5
Jacksonville.....	45	Iberville Parish.....	8
Escambia County.....	2	La Salle Parish.....	3
Pensacola.....	2	Lincoln Parish.....	1
Franklin County.....	1	Livingston Parish.....	1
Gadsden County.....	30	Natchitoches Parish.....	8
Hamilton County.....	2	Orleans Parish.....	6
Hillsborough County.....	4	Ouachita Parish.....	47
Tampa.....	2	Rapides Parish.....	7
Jackson County.....	12	Red River Parish.....	7
Jefferson County.....	6	Richland Parish.....	13
Lafayette County.....	7	St. Landry Parish.....	17
Lake County.....	2	St. Martin Parish.....	1
Leon County.....	12	St. Mary Parish.....	22
Levy County.....	17	St. Tammany Parish.....	10
Madison County.....	10	Tangipahoa Parish.....	1
Manatee County.....	10	Vermilion Parish.....	10
Marion County.....	55	Vernon Parish.....	2
Okeechobee County.....	1	Washington Parish.....	9
Orange County.....	3	West Feliciana Parish.....	1
Osceola County.....	1	Total.....	320
Palm Beach County.....	3	New Jersey:	
Pasco County.....	1	Essex County.....	4
Pinellas County.....	3	Mercer County.....	1
Polk County.....	11	Morris County.....	3
St. Johns County.....	5	Passaic County.....	1
St. Lucie County.....	2	Sussex County.....	1
Sumter County.....	7	Union County.....	1
Suwannee County.....	8	Total.....	11
Taylor County.....	4		
Volusia County.....	2		
Walton County.....	7		
Washington County.....	2		
Total.....	379		

## MALARIA—Continued.

## City Reports for Week Ended Nov. 8, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.....	8	.....	New Orleans, La.....	2	2
Alton, Ill.....	1	.....	Oakland, Calif.....	1	.....
Anniston, Ala.....	2	.....	Pine Bluff, Ark.....	5	.....
Atlanta, Ga.....	2	.....	Richmond, Va.....	2	.....
Birmingham, Ala.....	1	.....	Riverside, Calif.....	1	.....
Charleston, S. C.....	.....	1	Rome, Ga.....	1	.....
Columbus, Ga.....	1	.....	Savannah, Ga.....	5	1
Dallas, Tex.....	5	.....	Trenton, N. J.....	2	.....
Dedham, Mass.....	1	.....	Wilmington, N. C.....	1	.....
Independence, Mo.....	1	.....	Winthrop, Mass.....	1	.....
Memphis, Tenn.....	.....	1			

## MEASLES.

See Telegraphic weekly reports from States, p. 2717; Monthly summaries by States, p. 2723, and Weekly reports from cities, p. 2735.

## PELLAGRA.

## State Reports for October, 1919.

Place.	New cases reported.	Place.	New cases reported.
Florida:		Florida—Continued.	
De Soto County.....	1	St. Johns County.....	1
Duval County.....	1	Total.....	10
Jacksonville.....	4		
Gadsden County.....	1	Louisiana:	
Hillsboro County.....	1	East Carroll Parish.....	3
Pinellas County.....	1		

## City Reports for Week Ended Nov. 8, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....	.....	1	Macon, Ga.....	1	1
Birmingham, Ala.....	1	.....	Pine Bluff, Ark.....	1	.....
Dallas, Tex.....	1	.....			

## PNEUMONIA.

## City Reports for Week Ended Nov. 8, 1919.

Place.	Lobar.		All forms.		Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.		Cases.	Deaths.	Cases.	Deaths.
Albuquerque, N. Mex.....	.....	.....	1	1	Butte, Mont.....	.....	.....	1	2
Alliance, Ohio.....	.....	.....	.....	1	Cambridge, Mass.....	.....	.....	3	4
Alton, Ill.....	.....	.....	.....	1	Camden, N. J.....	.....	.....	1	.....
Ann Arbor, Mich.....	.....	.....	.....	.....	Chanute, Kans.....	.....	.....	.....	1
Atlanta, Ga.....	.....	.....	2	6	Charleston, S. C.....	.....	.....	.....	3
Bakersfield, Calif.....	.....	.....	4	.....	Chelsea, Mass.....	.....	.....	1	.....
Baltimore, Md.....	.....	.....	3	12	Chicago, Ill.....	.....	129	41	.....
Barberton, Ohio.....	.....	.....	.....	1	Chicopee, Mass.....	.....	.....	.....	2
Bayonne, N. J.....	.....	.....	.....	.....	Cincinnati, Ohio.....	.....	.....	.....	1
Binghampton, N. Y.....	.....	.....	1	.....	Cleveland, Ohio.....	.....	7	15	.....
Birmingham, Ala.....	.....	.....	.....	2	Colorado Springs, Colo.....	.....	1	1	.....
Boston, Mass.....	.....	.....	22	18	Columbus, Ga.....	.....	1	.....	.....
Braxil, Ind.....	.....	.....	.....	.....	Columbus, Ohio.....	.....	.....	.....	3
Bridgeport, Conn.....	.....	.....	.....	1	Covington, Ky.....	.....	.....	.....	1
Bristol, Conn.....	.....	.....	.....	1	Dallas, Tex.....	.....	.....	7	5
Buffalo, N. Y.....	.....	.....	6	6	Danville, Ill.....	.....	.....	3	.....

## PNEUMONIA—Continued.

## City Reports for Week Ended Nov. 8, 1919—Continued.

Place.	Lobar.		All forms.		Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.		Cases.	Deaths.	Cases.	Deaths.
Dayton, Ohio.			1		New Bedford, Mass.			2	2
Denver, Colo.				5	New Britain, Conn.			2	
Detroit, Mich.	9	11	11	17	Newburgh, N. Y.			1	
Duluth, Minn.			5	1	Newburyport, Mass.			1	1
East Chicago, Ind.				4	New Orleans, La.		4		
Easthampton, Mass.			2		Newton, Mass.	1	1		
East Orange, N. J.			1	1	New York, N. Y.			63	95
East St. Louis, Ill.			1		Niagara Falls, N. Y.			2	1
Evansville, Ind.			1		North Adams, Mass.		1		
Fall River, Mass.			1	2	Northampton, Mass.			1	
Flint, Mich.			1	3	North Little Rock, Ark.	1	1		
Fond du Lac, Wis.				1	Norwalk, Conn.				1
Fort Wayne, Ind.				3	Oakland, Calif.			2	2
Fort Worth, Tex.			3	3	Oklahoma City, Okla.				1
Galveston, Tex.				1	Omaha, Nebr.				3
Gardner, Mass.	1				Passaic, N. J.				1
Grand Rapids, Mich.			6	1	Pawtucket, R. I.		3		
Granite City, Ill.			2	1	Peabody, Mass.				1
Greenwich, Conn.			1	1	Peoria, Ill.		3		
Hartford, Conn.				5	Petersburg, Va.		1		
Haverhill, Mass.			3	1	Philadelphia, Pa.	42	9		
Hibbing, Minn.			1		Piqua, Ohio.		1		
Highland Park, Mich.			1	1	Pontiac, Mich.	1			
Hoboken, N. J.				2	Portland, Oreg.		3		6
Holyoke, Mass.			2	1	Portsmouth, Va.				2
Ironwood, Mich.			1		Providence, R. I.		3		
Ishpeming, Mich.	1	1			Quincy, Mass.	1	1		
Jersey City, N. J.			11		Reno, Nev.		1		
Kalamazoo, Mich.			1		Richmond, Va.				3
Kansas City, Kans.			1		Rochester, N. Y.	9			
Kansas City, Mo.			12	12	Sacramento, Calif.				1
Kenosha, Wis.				1	St. Paul, Minn.		2		
Kokomo, Ind.				1	Salt Lake City, Utah.		1		
Lackawanna, N. Y.			1		San Diego, Calif.	1		1	1
Lawrence, Mass.			3		San Francisco, Calif.		8		
Leominster, Mass.				1	Savannah, Ga.		2		
Lexington, Ky.				1	Schenectady, N. Y.	2			
Logansport, Ind.				1	Sioux Falls, S. Dak.		1		
Long Beach, Calif.	2	1			Somerville, Mass.	1			
Los Angeles, Calif.			15	7	South Bend, Ind.				1
Louisville, Ky.				3	Springfield, Mass.	3			
Lowell, Mass.			1		Springfield, Mo.				2
Lynn, Mass.			2		Stockton, Calif.		2		
Macon, Ga.			3	3	Syracuse, N. Y.				4
Manchester, N. H.			1	1	Taunton, Mass.	1			
Marion, Ind.				1	Toledo, Ohio.	1	1		
Medford, Mass.			1	1	Troy, N. Y.	1	1		
Memphis, Tenn.			1	6	Union, N. J.			1	
Middletown, N. Y.			1	1	Washington, D. C.				5
Milwaukee, Wis.				13	Watertown, Mass.		1		
Minneapolis, Minn.			7		West Hoboken, N. J.	1			
Mobile, Ala.			2		Wichita, Kans.	2			
Montclair, N. J.			1		Wilmington, N. C.				2
Montgomery, Ala.				1	Worcester, Mass.	3	3		
Morristown, N. J.				2	Yonkers, N. Y.	4	6		
Mount Vernon, N. Y.			1		Youngstown, Ohio.				5
Nashville, Tenn.		1			Zanesville, Ohio.				2
Newark, N. J.	26	5							



**POLIOMYELITIS (INFANTILE PARALYSIS).****State Reports for October, 1919.**

Place.	New cases reported.	Place.	New cases reported.
<b>Idaho:</b>		<b>New Jersey:</b>	
Blaine County.....	1	Essex County.....	3
<b>Louisiana:</b>		Mercer County.....	1
Richland Parish.....	1	Salem County.....	1
Winn Parish.....	1	Union County.....	1
<b>Total.....</b>	<b>2</b>	<b>Total.....</b>	<b>6</b>
<b>Michigan:</b>		<b>Rhode Island:</b>	
Allegan County.....	1	Providence.....	1
Manlius Township.....	1	<b>Vermont:</b>	
Genesee County.....	1	Rutland County.....	1
Flint.....	1	Windsor County.....	1
Gratiot County.....	1	<b>Total.....</b>	<b>2</b>
Newark Township.....	1	<b>West Virginia:</b>	
St. Louis.....	1	Fayette County.....	1
Muskegon County.....	1	Grant County.....	1
Norton Township.....	1	Kanawha County.....	1
Oscoda County.....	1	McDowell County.....	2
Orient Township.....	1	Mineral County.....	1
Presque Isle County.....	1	Monongalia County.....	1
Ocquoc Township.....	1	Puimam County.....	1
Wayne County.....	1	Upshur County.....	1
Detroit.....	1	<b>Total.....</b>	<b>9</b>
<b>Total.....</b>	<b>8</b>		

**City Reports for Week Ended Nov. 8, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Ann Arbor, Mich.....	1		Duluth, Minn.....		1
Baltimore, Md.....	3		Galesburg, Ill.....		1
Bluefield, W. Va.....	1	1	Los Angeles, Calif.....	1	
Buffalo, N. Y.....	1		Newark, N. J.....	2	
Charleston, W. Va.....	1		New York, N. Y.....	1	
Chicago, Ill.....	1		St. Louis, Mo.....	2	

**RABIES IN ANIMALS.****Detroit, Mich., and Kansas City, Mo.**

During the week ended November 8, 1919, one case of rabies in animals was reported at Detroit, Mich., and three cases were reported at Kansas City, Mo.

**SCARLET FEVER.**

See Telegraphic weekly reports from States, page 2717; Monthly summaries by States, page 2723; and Weekly reports from cities, page 2735.

**SMALLPOX.****Petersburg, Alaska—October, 1919.**

During the month of October, 1919, three cases of smallpox were reported at Petersburg, Alaska.

## SMALLPOX—Continued.

## Prevalence in the United States, June to September, 1919.

The following table shows the number of reported cases of smallpox in States for which data are available for the four months June to September, 1919, compared with the average number of cases reported for the same months during recent years. Where information was available, the averages were computed for the five years 1914 to 1918, inclusive. For many States data were not accessible for the full five years, and the averages were computed for a less number of years, as shown by the footnotes. In all cases the averages are for years later than 1913.

The figures indicate a general increase in the number of reported cases of smallpox in the United States during these months of 1919 as compared with the average of preceding years, the increase being more than 50 per cent of the average.

*Smallpox in the United States, June to September, 1919, compared with the average for the same months of preceding years 1914 to 1918, inclusive.*

State.	June.		July.		Aug.		Sept.		Total.	
	Average.	1919	Average.	1919	Average.	1919	Average.	1919	Average.	1919
Alabama <sup>1</sup> .....	53	33	32	23	26	22	17	17	128	95
Arizona <sup>1</sup> .....	17	2	4	1	3	.....	1	0	25	.....
Arkansas <sup>2</sup> .....	76	31	65	10	15	10	9	6	165	57
California.....	38	153	30	146	23	126	22	127	113	552
Colorado <sup>1</sup> .....	51	135	39	104	18	75	21	29	129	343
Connecticut.....	17	0	9	0	0	0	2	0	28	0
District of Columbia.....	5	.....	4	2	1	0	1	0	11	.....
Florida <sup>1</sup> .....	6	16	6	0	3	2	2	0	17	12
Illinois <sup>1</sup> .....	264	432	178	101	82	43	80	198	604	774
Indiana.....	295	277	142	131	89	77	61	88	587	573
Iowa <sup>1</sup> .....	166	160	91	39	26	19	31	31	314	249
Kansas.....	249	343	82	87	37	39	30	72	398	541
Louisiana.....	40	90	24	47	14	44	5	19	83	200
Maine <sup>1</sup> .....	73	.....	51	40	14	25	4	31	142	.....
Maryland <sup>1</sup> .....	5	11	3	5	3	6	5	7	16	29
Massachusetts <sup>1</sup> .....	4	11	1	2	0	0	1	0	6	13
Michigan.....	159	304	91	132	42	73	43	95	335	604
Minnesota.....	165	287	92	133	48	72	40	47	345	539
Mississippi.....	106	238	53	139	41	122	51	84	251	583
Montana <sup>1</sup> .....	96	127	55	39	32	8	34	14	217	188
Nebraska <sup>1</sup> .....	323	382	139	61	40	45	269	57	771	545
New Jersey.....	4	11	2	0	1	0	0	1	7	12
New York.....	16	10	11	38	6	3	3	.....	36	.....
North Carolina <sup>1</sup> .....	48	203	68	117	40	63	34	72	190	457
North Dakota <sup>1</sup> .....	61	11	16	1	6	5	19	4	102	21
Ohio.....	375	431	239	139	111	107	86	119	811	796
Oregon.....	27	318	23	247	17	135	14	96	81	796
Pennsylvania <sup>1</sup> .....	32	22	29	20	9	10	7	8	77	60
Rhode Island <sup>1</sup> .....	0	0	1	0	0	0	0	0	1	0
South Carolina.....	17	79	12	8	4	7	4	3	37	97
South Dakota <sup>1</sup> .....	113	66	57	35	20	37	19	26	209	164
Vermont.....	7	0	10	0	7	1	1	.....	25	.....
Virginia.....	95	138	58	87	29	62	23	124	205	411
Washington.....	81	403	53	308	41	163	35	200	210	1,074
West Virginia <sup>1</sup> .....	46	276	36	84	22	68	22	50	126	478
Wisconsin.....	123	310	99	143	63	.....	35	82	320	.....
Wyoming.....	8	76	7	19	7	1	5	4	27	100

<sup>1</sup> Only one year in average column.<sup>2</sup> Average includes 2 years.<sup>3</sup> Average includes 3 years.<sup>4</sup> Average includes 4 years.

## SMALLPOX—Continued.

## Florida and Michigan Reports for October, 1919—Vaccination Histories.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Florida:						
Gadsden County.....	5		2	1	2	
Pinellas County.....	1		1			
Total.....	6		3	1	2	
Michigan:						
Allegan County—						
Dorr Township.....	1				1	
Leighton Township.....	7				7	
Berrien County—						
Bertrand Township.....	1				1	
Calhoun County—						
Athens Township.....	2				2	
Leroy Township.....	1				1	
Clinton County—						
Bath Township.....	1				1	
Delta County—						
Gladstone.....	1		1			
Eaton County—						
Eaton Rapids Township..	9				9	
Carnell Township.....	10				5	5
Walton Township.....	1				1	
Gogebic County—						
Bessemer Township.....	7		3		4	
Ironwood Township.....	1				1	
Bessemer.....	54		11	3	40	
Ironwood.....	10		1	2	5	2
Gratiot County—						
North Shade Township...	4				4	
Houghton County—						
Adams Township.....	1				1	
Calumet Township.....	3			2	1	
Quincy Township.....	2				2	
Houghton.....	1				1	
Huron County—						
Sebewaing.....	1					1
Ingham County—						
Lansing.....	8				7	1
Iona County—						
Lake Odessa.....	10		1		9	
Belding.....	1			1		
Isabella County—						
Fremont Township.....	1			1		
Lincoln Township.....	2		2			
Jackson County—						
Jackson.....	2				1	1
Kalamazoo County—						
Brady Township.....	1				1	
Climax Township.....	3				3	
Kent County—						
Wyoming Township.....	1				1	
Grand Rapids.....	2				1	1
Luce County—						
Laketon Township.....	1					1
Mackinac County—						
Hendricks Township.....	2		1	1		
Monroe County—						
Monroe.....	1				1	
Ontonagon County—						
Stannard Township.....	1				1	
Otsego County—						
Gaylord.....	3			1	2	
Wayne County—						
Hamtramck.....	3				3	
Detroit.....	4				4	
Total.....	164		20	11	121	12

**SMALLPOX—Continued.**  
**State Reports for October, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Delaware:			West Virginia—Continued.		
Georgetown.....	1		Cabell County.....	50	
Millsboro.....	5		Fayette County.....	10	
Total.....	6		Hancock County.....	5	
Louisiana:			Harrison County.....	5	
Allen Parish.....	1		Kanawha County.....	9	
Calcasieu Parish.....	1		Lincoln County.....	3	
East Feliciana Parish.....	1		Logan County.....	2	
Natchitoches Parish.....	1		Marion County.....	13	
Rapides Parish.....	8		Marshall County.....	3	
Richland Parish.....	1		Mercer County.....	2	
St. James Parish.....	14		Mineral County.....	6	
St. Tammany Parish.....	1		Mingo County.....	47	
Vernon Parish.....	1		Monongalia County.....	3	
Total.....	29		Monroe County.....	3	
West Virginia:			Pocahontas County.....	2	
Barbour County.....	8		Roane County.....	1	
Berkeley County.....	1		Taylor County.....	7	
Boone County.....	5		Upshur County.....	3	
Braxton County.....	18		Wayne County.....	7	
			Wirt County.....	1	
			Wood County.....	2	
			Total.....	216	

**City Reports for Week Ended Nov. 8, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Aberdeen, Wash.....	3		Lincoln, Nebr.....	5	
Atlanta, Ga.....	1		Marionette, Wis.....	2	
Austin, Tex.....	1		Marion, Ohio.....	2	
Bellingham, Wash.....	6		Marshalltown, Iowa.....	5	
Beloit, Wis.....	1		Milwaukee, Wis.....	13	
Cleveland, Ohio.....	6		Minneapolis, Minn.....	7	
Council Bluffs, Iowa.....	2		Muskogee, Okla.....	1	
Dallas, Tex.....	4		Norfolk, Va.....	3	
Davenport, Iowa.....	16		Ogden, Utah.....	4	
Denver, Colo.....	20		Omaha, Nebr.....	4	
Detroit, Mich.....	4		Pekin, Ill.....	2	
Dubuque, Iowa.....	1		Peoria, Ill.....	1	
Evansville, Ind.....	1		Piqua, Ohio.....	7	
Everett, Wash.....	3		Portland, Oreg.....	48	
Fargo, N. Dak.....	1		Pueblo, Colo.....	1	
Findlay, Ohio.....	1		Racine, Wis.....	2	
Fond du Lac, Wis.....	39		Rochester, N. Y.....	1	
Fort Worth, Tex.....	1		Rock Island, Ill.....	1	
Gardner, Mass.....	2		St. Cloud, Minn.....	3	
Green Bay, Wis.....	3		St. Joseph, Mo.....	14	
Hammond, Ind.....	1		St. Paul, Minn.....	7	
Huntington, Ind.....	1		Salt Lake City, Utah.....	3	
Ironton, Ohio.....	1		Seattle, Wash.....	26	
Ironwood, Mich.....	6		Spokane, Wash.....	24	
Jacksonville, Ill.....	1		Steubenville, Ohio.....	4	
Kansas City, Mo.....	2		Stockton, Calif.....	1	
Kenosha, Wis.....	2		Tacoma, Wash.....	1	
Knoxville, Tenn.....	1		Toledo, Ohio.....	1	
Kokomo, Ind.....	14		Walla Walla, Wash.....	11	
La Fayette, Ind.....	7		Yakima, Wash.....	1	
Lakewood, Ohio.....	1		Youngstown, Ohio.....	3	

**TETANUS.**

**City Reports for Week Ended Nov. 8, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill.....		1	Mobile, Ala.....		1
Columbus, Ohio.....		2	Philadelphia, Pa.....	1	
Detroit, Mich.....	1		Richmond, Va.....	1	1
Los Angeles, Calif.....	1		St. Louis, Mo.....		1
Macon, Ga.....	1	1	Savannah, Ga.....		1

## TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 2717, and Weekly reports from cities, p. 2735.

## TYPHOID FEVER.

## State Reports for September and October, 1919.

Place.	New cases reported.	Place.	New cases reported.
<b>Arizona (September):</b>		<b>Louisiana (October)—Continued.</b>	
Cochise County.....	5	Avoyelles Parish.....	2
Greenlee County.....	2	Bienville Parish.....	1
Phoenix County—		Caddo Parish.....	9
Maricopa.....	2	Caldwell Parish.....	2
Yavapai County.....	3	Claiborne Parish.....	9
<b>Total.....</b>	<b>12</b>	Concordia Parish.....	1
<b>Arizona (October):</b>		De Soto Parish.....	1
Yavapai County.....	1	East Feliciana Parish.....	3
<b>Delaware (October):</b>		Iberia Parish.....	1
New Castle.....	1	Iberville Parish.....	4
Dover.....	1	Jackson Parish.....	1
Leipold.....	1	Jefferson Parish.....	1
Smyrna.....	3	Lafayette Parish.....	2
Seaford.....	4	Morehouse Parish.....	1
Wilmington.....	2	Natchitoches Parish.....	1
Laurel.....	2	Orleans Parish.....	12
Milford.....	3	Pointe Coupee Parish.....	1
Milton.....	1	Rapides Parish.....	1
Lewes.....	2	Richland Parish.....	3
Hartley.....	1	St. Landry Parish.....	1
Frederica.....	1	Union Parish.....	4
Harrington.....	2	Vermillion Parish.....	1
<b>Total.....</b>	<b>24</b>	Vernon Parish.....	1
<b>Florida (October):</b>		Washington Parish.....	2
Alachua County.....	1	<b>Total.....</b>	<b>69</b>
Bradford County.....	3	<b>Michigan (October):</b>	
Columbia County.....	1	Allegan County—	
Dade County.....	1	Allegan.....	2
Miami.....	1	Cheshire Township.....	2
Duval County—		Antrim County—	
Jacksonville.....	6	Mancelona.....	3
Escambia County.....	3	Barry County—	
Franklin County.....	1	Hastings Township.....	1
Herando County.....	1	Bay County—	
Hillsboro County.....	1	Bay City.....	2
Tampa.....	5	Benzie County—	
Jefferson County.....	3	Frankfort.....	1
Lake County.....	1	Berrien County—	
Leon County.....	1	Berrien Township.....	1
Madison County.....	1	Bainbridge Township.....	1
Marion County.....	1	Colona Township.....	1
Okaloosa County.....	1	Benton Harbor.....	2
Palm Beach County.....	1	St. Joseph.....	2
Pinellas County.....	2	Calhoun County—	
Polk County.....	1	Battle Creek.....	1
Santa Rosa County.....	2	Clinton County—	
Volusia County.....	3	Watertown Township.....	2
<b>Total.....</b>	<b>41</b>	Crawford County—	
<b>Idaho (October):</b>		Grayling.....	2
Ada County.....	1	Eaton County—	
Bingham County.....	1	Carmel Township.....	1
Jefferson County.....	1	Eaton Rapids.....	1
Jerome County.....	3	Genesee County—	
Minidoka County.....	2	Fenton.....	2
Payette County.....	3	Flushing.....	1
Power.....	5	Montrose.....	3
Twin Falls County.....	10	Flint.....	12
<b>Total.....</b>	<b>26</b>	Gratiot County—	
<b>Louisiana (October):</b>		Hamilton Township.....	1
Acadia Parish.....	3	Pine River Township.....	1
Allen Parish.....	1	Alma.....	1
		Hillsdale County—	
		Jefferson Township.....	1
		Litchfield Township.....	1
		Hillsdale.....	1
		Huron County—	
		Brookfield Township.....	1
		Owendale.....	2



## TYPHOID FEVER—Continued.

## State Reports for September and October, 1919—Continued.

Place.	New cases reported.	Places.	New cases reported.
<b>Michigan (October)—Continued.</b>		<b>New Jersey (October)—Continued.</b>	
Ingham County—		Middlesex County.....	4
Lansing Township.....	1	Monmouth County.....	11
Ingham Township.....	1	Passaic County.....	4
Lansing.....	8	Salem County.....	2
Williamston.....	5	Somerset County.....	2
Webberville.....	1	Sussex County.....	1
Ionia County—		Union County.....	6
Ionia.....	1	Total.....	97
Jackson County—		<b>Rhode Island (October):</b>	
Jackson.....	1	Bristol.....	1
Kalamazoo County—		Burrillville.....	1
Kalamazoo.....	3	Lincoln.....	1
Kent County—		North Providence.....	3
Grand Rapids.....	1	Providence.....	5
Lowell Township.....	1	Tiverton.....	1
Lenawee County—		Total.....	12
Adrian Township.....	1	<b>Vermont (October):</b>	
Ogden Township.....	1	Caledonia County.....	1
Tecumseh.....	1	Chittenden County.....	2
Macomb County—		Franklin County.....	1
Clinton Township.....	1	Rutland County.....	4
Shelby Township.....	1	Barre Town County.....	1
Marquette County—		Total.....	9
Marquette.....	5	<b>West Virginia (October):</b>	
Midland County—		Barbour County.....	3
Ingersoll Township.....	1	Berkeley County.....	1
Midland.....	4	Boone County.....	1
Monroe County—		Braxton County.....	6
Monroe.....	1	Cabell County.....	2
Montcalm County—		Clay County.....	1
Howard City.....	2	Fayette County.....	3
Montmorency County—		Gilmer County.....	4
Rust Township.....	1	Grant County.....	2
Oakland County—		Greenbrier County.....	7
Pontiac Township.....	1	Hancock County.....	2
Springfield Township.....	3	Hardy County.....	2
Milford.....	1	Harrison County.....	1
Pontiac.....	9	Jackson County.....	14
Oceanac County—		Kanawha County.....	11
Shelby.....	1	Lewis County.....	3
Ontonagon County—		Lincoln County.....	1
Ontonagon.....	1	Logan County.....	1
Ottawa County—		McDowell County.....	4
Wright Township.....	5	Marion County.....	2
Holland.....	1	Marshall County.....	2
Saginaw County—		Mason County.....	1
Saginaw Township.....	1	Mercer County.....	4
Saginaw.....	6	Mineral County.....	3
Sanilac County—		Mingo County.....	4
Wheatland Township.....	1	Monongalia County.....	4
St. Clair County—		Monroe County.....	5
Mussy Township.....	1	Ohio County.....	5
Van Buren County—		Pendleton County.....	2
Pine Grove Township.....	1	Pocahontas County.....	1
Washtenaw County—		Preston County.....	11
Pittsfield Township.....	5	Putnam County.....	9
Ann Arbor.....	4	Raleigh County.....	3
Wayne County—		Ritchie County.....	2
Ford.....	1	Roane County.....	3
Highland Park.....	3	Summers.....	2
Wexford County—		Tucker County.....	3
Clam Lake Township.....	1	Tyler County.....	3
Cadillac.....	1	Upshur County.....	9
Total.....	141	Wayne County.....	3
<b>New Jersey (October):</b>		Webster County.....	3
Atlantic County.....	3	Wetzel County.....	5
Bergen County.....	2	Wirt County.....	1
Burlington County.....	7	Wood County.....	2
Camden County.....	9	Total.....	161
Cumberland County.....	4		
Essex County.....	15		
Gloucester County.....	3		
Hudson County.....	19		
Mercer County.....	5		

## TYPHOID FEVER—Continued.

City Reports for Week Ended Nov. 8, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Calif.	2		Milwaukee, Wis.	1	
Albuquerque, N. Mex.	2		Minneapolis, Minn.	2	
Alexandria, Va.	1		Mobile, Ala.	3	1
Ashland, Ky.	1		Moline, Ill.	1	
Atlanta, Ga.	2		Morgantown, W. Va.	1	
Baltimore, Md.	9	1	Nashville, Tenn.	1	
Battle Creek, Mich.	1		Newark, N. J.	3	
Belleville, N. J.	1		New Britain, Conn.	1	
Bellingham, Wash.	2		New Haven, Conn.	2	1
Binghamton, N. Y.	1	1	New London, Conn.	1	
Boston, Mass.	1		New Orleans, La.	1	
Buffalo, N. Y.	1	1	New York, N. Y.	31	3
Burlington, Iowa.	1		Norfolk, Va.	2	1
Canton, Ohio.	1	1	Oakland, Calif.	2	1
Cedar Rapids, Iowa.	1		Oil City, Pa.	1	
Chicago, Ill.	11		Oklahoma City, Okla.	1	
Chillicothe, Ohio.	1		Petersburg, Va.	1	
Cleveland, Ohio.	5	2	Philadelphia, Pa.	11	1
Columbus, Ohio.	1		Pontiac, Mich.	1	
Connellsville, Pa.	1		Portland, Me.		1
Dallas, Tex.	2		Portland, Oreg.	3	
Detroit, Mich.	4	3	Portsmouth, N. H.	1	
Duluth, Minn.	2		Portsmouth, Va.	1	
Eau Claire, Wis.	2		Providence, R. I.	1	
El Paso, Tex.	1		Reno, Nev.	1	
Fall River, Mass.	3		Richmond, Va.	1	1
Flint, Mich.	2		Rochester, N. Y.	3	
Fort Worth, Tex.		1	Rome, Ga.	1	
Fostoria, Ohio.	1		Sacramento, Calif.	2	
Galveston, Tex.	1		St. Cloud, Minn.	1	
Greenwich, Conn.	1		St. Joseph, Mo.	1	1
Harrisburg, Pa.	1		St. Louis, Mo.	3	
Hartford, Conn.	2		St. Paul, Minn.		1
Hibbing, Minn.	1		San Bernardino, Calif.		1
Highland Park, Mich.	1		San Francisco, Calif.		1
Hoboken, N. J.	1		Seattle, Wash.	1	
Holland, Mich.	2		Somerville, Mass.	1	
Holyoke, Mass.	1		Springfield, Mo.		1
Hutchinson, Kans.	1		Springfield, Ohio.	1	
Indianapolis, Ind.	3	2	Stockton, Calif.	2	
Ithaca, N. Y.	1		Toledo, Ohio.	2	
Jacksonville, Ill.	3		Trenton, N. J.	7	1
Jefferson City, Mo.		1	Troy, N. Y.	1	
Kansas City, Mo.	2	1	Walla Walla, Wash.	1	
Kenosha, Wis.		1	Washington, D. C.	3	1
Knoxville, Tenn.	1		West Chester, Pa.	1	
Lawrence, Mass.	1		Wheeling, W. Va.	1	
Lexington, Ky.	1		White Plains, N. Y.	1	
Lima, Ohio.	17		Wichita, Kans.	2	
Lincoln, Nebr.	1		Wilkinsburg, Pa.	1	
Logansport, Ind.		1	Williamsport, Pa.	4	
Los Angeles, Calif.	5	1	Wilmington, Del.	1	
Louisville, Ky.	5		Winston-Salem, N. C.	1	1
Lynchburg, Va.	1		Worcester, Mass.	4	1
Lynn, Mass.	1		Yakima, Wash.	1	
Malden, Mass.	2	1	York, Pa.	1	
Manchester, Conn.	2	1	Youngstown, Ohio.	2	
Marquette, Mich.	1		Zanesville, Ohio.	1	

## DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

## City Reports for Week Ended Nov. 8, 1919.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Aberdeen, S. Dak.	15,926	1								
Aberdeen, Wash.	21,392						6			
Abilene, Tex.	14,954		2				1			
Adams, Mass.	14,406	2	1							
Akron, Ohio	93,404	14	2		5		9		5	
Alameda, Calif.	28,433	8	3		7					1
Albuquerque, N. Mex.	14,509	9			2		1			6
Alexandria, La.	16,232	2								
Alexandria, Va.	17,639	3					2			
Allentown, Pa.	65,109		7		2		3		3	
Alliance, Ohio	19,581	2	1				1			
Alpena, Mich.	13,965		3							
Alton, Ill.	23,783	3	2				10			
Altos, Pa.	59,712				27					
Amesbury, Mass.	10,200	3					10			
Anacosta, Mont.	10,631	0								
Anderson, Ind.	24,730	8								1
Ann Arbor, Mich.	15,041	8	1							
Anniston, Ala.	14,326		2							
Ansonia, Conn.	16,954	2	1						2	
Appleton, Wis.	18,005	3						1		
Arlington, Mass.	13,073	6							1	1
Asbury Park, N. J.	14,629	0					2		1	
Ashland, Ky.	12,195		1							
Ashtabula, Ohio	22,008	4	5		2		1			
Atlanta, Ga.	196,144	40	12	1	2		3		1	2
Atlantic City, N. J.	59,515	7	1		1					
Attleboro, Mass.	19,776	6	1				3			1
Austin, Tex.	35,612	1	12							1
Bakersfield, Calif.	17,543	3					1		2	
Baltimore, Md.	594,637	169	58	4	12		24		23	18
Bangor, Me.	26,958		1							
Barberton, Ohio	14,187	4	2				1			
Battle Creek, Mich.	30,159	17	7				19	1		
Bayonne, N. J.	72,204		9						4	
Beatrice, Nebr.	10,437	3								
Beaumont, Tex.	28,851	10								
Beaver Falls, Pa.	13,749						3			
Bedford, Ind.	10,613	1	1						1	
Belleville, Ill.	21,154						5		1	
Bellingham, Wash.	34,392		5							
Beloit, Wis.	18,547	1								
Berkeley, Calif.	60,427	13	2				3			1
Berlin, N. H.	13,892	6					1		1	
Bethlehem, Pa.	14,353		1		2				1	
Beverly, Mass.	22,128	3								
Biddeford, Me.	17,760	13								1
Billings, Mont.	15,123	3	1							
Binghamton, N. Y.	54,864	10	4		2				7	
Birmingham, Ala.	189,716	40	20				4		6	4
Bloomfield, N. J.	19,013	3	1		1		7			
Bloomington, Ill.	27,462	0	1				1			
Bluefield, W. Va.	16,123		2				1			
Boston, Mass.	767,813	186	70	2	102	1	57		41	17
Braddock, Pa.	22,060		1		5				1	
Brazil, Ind.	10,472	5								1
Bridgeport, Conn.	124,724	25	21		18		5			3
Bristol, Conn.	16,318	1	11				4		2	
Brockton, Mass.	69,152	10	4		7		4		1	
Brookline, Mass.	33,526	11	2				3		1	1
Brunswick, Ga.	10,984	0								
Buffalo, N. Y.	475,781	105	135	6	2		26		18	5
Burlington, Iowa	25,144	5							1	1
Burlington, Vt.	21,802	8							3	2
Butler, Pa.	28,677		6				6		1	
Butte, Mont.	44,057	8					1			1
Cadillac, Mich.	10,158	2	2							
Cairo, Ill.	15,995	5	2	1			2			
Cambridge, Mass.	114,293	32	8		2		5		3	2
Camden, N. J.	108,117		7		1		2		4	
Canton, Ill.	13,674	1								
Canton, Ohio	62,566	15	10	1			2		1	
Carlisle, Pa.	10,795						2			
Carnegie, Pa.	11,963		1							

# DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Nov. 8, 1919—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cedar Rapids, Iowa.....	38,033	.....	9	.....	.....	.....	.....	.....	.....	.....
Centralia, Ill.....	11,838	.....	3	.....	.....	.....	.....	.....	.....	.....
Chanute, Kans.....	12,968	.....	1	.....	.....	.....	3	.....	.....	.....
Charleston, S. C.....	61,041	22	6	.....	.....	.....	.....	.....	.....	1
Charleston, W. Va.....	31,060	5	8	.....	.....	.....	5	.....	.....	1
Charlotte, N. C.....	40,759	14	6	.....	.....	.....	3	.....	2	1
Chattanooga, Tenn.....	61,575	17	1	.....	.....	.....	4	.....	.....	1
Chelsea, Mass.....	48,405	13	3	.....	.....	.....	.....	.....	1	1
Chester, Pa.....	41,857	.....	4	.....	.....	.....	2	.....	6	.....
Cheyenne, Wyo.....	11,320	1	1	.....	.....	.....	1	.....	.....	.....
Chicago Heights, Ill.....	22,863	1	1	.....	12	.....	.....	.....	.....	.....
Chicago, Ill.....	2,547,201	510	218	12	108	2	179	2	300	45
Chicopee, Mass.....	29,950	5	2	.....	.....	.....	1	.....	1	1
Chillicothe, Ohio.....	15,625	3	3	.....	.....	.....	.....	.....	.....	.....
Cicero, Ill.....	20,846	4	2	.....	.....	.....	1	.....	1	.....
Cincinnati, Ohio.....	414,248	107	26	1	6	.....	30	1	16	9
Cleveland, Ohio.....	692,259	159	20	9	38	.....	13	1	24	11
Clinton, Iowa.....	27,678	.....	3	.....	.....	.....	.....	.....	.....	.....
Clinton, Mass.....	13,075	5	1	1	.....	.....	.....	.....	.....	1
Coffeyville, Kans.....	18,331	.....	7	.....	.....	.....	3	.....	.....	.....
Cohoes, N. Y.....	25,292	4	.....	.....	.....	.....	.....	.....	1	1
Colorado Springs, Colo.....	38,965	8	.....	.....	.....	.....	.....	.....	7	4
Columbia, S. C.....	35,165	.....	2	.....	.....	.....	.....	.....	.....	.....
Columbus, Ga.....	26,306	8	1	.....	.....	.....	2	.....	2	1
Columbus, Ohio.....	220,135	43	13	.....	1	.....	7	.....	5	8
Concord, N. H.....	22,858	8	1	.....	.....	.....	.....	.....	.....	.....
Connellsville, Pa.....	15,876	.....	2	.....	.....	.....	2	.....	1	.....
Corpus Christi, Tex.....	10,780	4	.....	.....	.....	.....	.....	.....	.....	.....
Council Bluffs, Iowa.....	31,838	10	7	.....	4	.....	9	.....	.....	.....
Covington, Ky.....	59,623	12	6	.....	.....	.....	.....	.....	1	3
Cranston, R. I.....	26,773	2	.....	.....	.....	.....	.....	.....	.....	.....
Cumberland, Md.....	26,686	6	.....	.....	1	.....	4	.....	1	.....
Dallas, Tex.....	129,738	34	41	.....	.....	.....	2	.....	5	4
Danbury, Conn.....	22,931	7	1	.....	.....	.....	2	.....	1	.....
Danvers, Mass.....	10,037	.....	1	.....	.....	.....	.....	.....	.....	.....
Danville, Ill.....	32,969	12	2	.....	.....	.....	1	.....	.....	1
Danville, Va.....	20,183	.....	3	.....	.....	.....	.....	.....	.....	.....
Davenport, Iowa.....	49,618	.....	3	.....	.....	.....	.....	.....	.....	.....
Dayton, Ohio.....	128,730	41	2	.....	1	.....	.....	.....	1	1
Decatur, Ill.....	41,483	.....	2	.....	.....	.....	.....	.....	.....	.....
Dedham, Mass.....	10,618	1	.....	.....	1	.....	1	.....	.....	.....
Denver, Colo.....	268,430	64	27	3	1	.....	7	.....	.....	15
Des Moines, Iowa.....	104,052	.....	9	2	1	.....	19	.....	.....	.....
Detroit, Mich.....	619,648	181	115	7	43	2	72	1	58	10
Dover, N. H.....	13,276	1	.....	.....	.....	.....	.....	.....	.....	.....
Dubuque, Iowa.....	40,096	6	4	.....	.....	.....	.....	.....	.....	2
Duluth, Minn.....	97,077	14	27	2	.....	.....	.....	.....	2	.....
Dunmore, Pa.....	21,286	.....	2	.....	.....	.....	.....	.....	.....	.....
East Chicago, Ind.....	30,288	7	.....	.....	.....	.....	.....	.....	.....	.....
East Cleveland, Ohio.....	13,834	.....	1	.....	.....	.....	.....	.....	.....	.....
Easthampton, Mass.....	10,656	.....	.....	.....	.....	.....	9	.....	.....	.....
East Liverpool, Ohio.....	22,941	7	.....	.....	.....	.....	4	.....	1	.....
East Orange, N. J.....	43,761	11	4	.....	.....	.....	.....	.....	2	.....
East Providence, R. I.....	18,485	.....	5	.....	.....	.....	1	.....	.....	.....
East St. Louis, Ill.....	77,312	18	.....	.....	1	.....	2	.....	.....	.....
Eau Claire, Wis.....	18,887	4	.....	.....	.....	.....	1	.....	.....	.....
Elgin, Ill.....	28,562	4	.....	.....	.....	.....	1	.....	1	.....
Elizabeth, N. J.....	88,839	.....	4	.....	5	.....	4	.....	2	1
Elkhart, Ind.....	22,273	5	2	.....	.....	.....	.....	.....	1	.....
Elmira, N. Y.....	38,272	5	2	.....	12	.....	1	.....	3	.....
El Paso, Tex.....	69,149	26	1	1	1	.....	1	.....	.....	6
Englewood, N. J.....	12,603	1	.....	.....	.....	.....	2	.....	.....	.....
Erie, Pa.....	76,592	.....	4	.....	.....	.....	2	.....	6	.....
Eureka, Calif.....	15,142	1	.....	.....	.....	.....	.....	.....	.....	.....
Evanston, Ill.....	29,304	8	.....	.....	1	.....	2	.....	1	.....
Evansville, Ind.....	76,681	17	2	.....	1	.....	4	.....	2	3
Everett, Mass.....	40,160	6	12	2	.....	.....	3	.....	3	.....
Everett, Wash.....	37,205	.....	.....	.....	.....	.....	3	.....	.....	.....
Fairmont, W. Va.....	16,111	.....	5	.....	.....	.....	7	.....	.....	.....
Fall River, Mass.....	129,828	31	6	1	5	1	.....	.....	4	.....
Fargo, N. Dak.....	17,872	4	.....	.....	1	.....	5	.....	.....	1

Population Apr. 15, 1910.

# DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Nov. 8, 1919—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Findlay, Ohio.	14,858	2							1	.....
Flint, Mich.	57,386	24	21	1	19		7	1		.....
Fond du Lac, Wis.	21,486	14								.....
Fort Dodge, Iowa.	21,039			1						.....
Fort Scott, Kans.	10,564	2								.....
Fort Wayne, Ind.	78,014	21	2						2	.....
Fort Worth, Tex.	109,597	20	28	1			3		2	2
Fostoria, Ohio.	10,959	4								.....
Framingham, Mass.	14,149	7		1			5		1	1
Freeport, Ill.	19,844	7		1						.....
Fremont, Nebr.	10,080	3								1
Galesburg, Ill.	24,629	4								.....
Galveston, Tex.	42,650	9							1	.....
Gardner, Mass.	17,534	6								.....
Geneva, N. Y.	13,915		2		1					.....
Glens Falls, N. Y.	17,160	5								.....
Gloucester City, N. J.	11,375								3	.....
Grand Rapids, Mich.	132,861	29	2		2	1	2		2	3
Granite City, Ill.	15,890	8	21				8		3	.....
Great Falls, Mont.	143,948	7	1		1		1			.....
Greeley, Colo.	11,942	3		1						.....
Green Bay, Wis.	30,017	10	5							.....
Greenfield, Mass.	12,251	5								.....
Greensboro, N. C.	30,171	7		1						1
Greensburg, Pa.	15,881		1				1			.....
Greenville, S. C.	18,574	3					2			.....
Greenwich, Conn.	19,594	8					5		1	.....
Hackensack, N. J.	17,412	5					1			.....
Hammond, Ind.	27,016	6	5		1		2		2	.....
Harrisburg, Pa.	73,276		1							.....
Harrison, N. J.	17,345						1		1	.....
Hartford, Conn.	112,831	53	12				7		4	1
Haverhill, Mass.	49,180	10	3				1		3	2
Hasleton, Pa.	28,581		1		25		5			.....
Hibbing, Minn.	17,550				54		2			.....
Highland Park, Mich.	33,859	9	20	2	1		2		3	1
Hoboken, N. J.	78,324	10	1						2	1
Holland, Mich.	12,459	3	4							.....
Holyoke, Mass.	66,503	16					5		2	1
Homestead, Pa.	23,071				1				2	.....
Hudson, N. Y.	12,878	1								.....
Huntington, W. Va.	47,686		7				5		3	.....
Hutchinson, Kans.	21,461		1				1			.....
Independence, Mo.	11,964	3	1							.....
Indianapolis, Ind.	283,622	65	10	1	2		12		1	3
Ironton, Ohio.	14,079	3	1		1					.....
Ironwood, Mich.	15,095	4					1			.....
Irrington, N. J.	16,710		2				1		1	.....
Ishpeming, Mich.	12,448	1	1							.....
Ithaca, N. Y.	16,017	2								.....
Jacksonville, Ill.	15,506	13								.....
Jamestown, N. Y.	37,431	6	2		1		1			1
Janesville, Wis.	14,411	0								.....
Jefferson City, Mo.	13,712	5								.....
Jersey City, N. J.	312,557		21		2		5		17	.....
Johnstown, N. Y.	10,678	3								.....
Johnstown, Pa.	70,473		5		56				3	.....
Joplin, Mo.	33,400	5	1						1	.....
Kalamazoo, Mich.	50,408	16	1				13			.....
Kankakee, Ill.	14,270	6								.....
Kansas City, Kans.	102,096		10						4	.....
Kansas City, Mo.	305,816	87	13		17	2	7		2	10
Kearny, N. J.	24,325	3			2		1		1	.....
Keene, N. H.	10,725									.....
Kenosha, Wis.	32,633	10	3		2		5		2	.....
Knoxville, Tenn.	59,112		3	1	3		6		7	7
Kokomo, Ind.	21,629	5	1							.....
Lackawanna, N. Y.	16,219	7	3							.....
La Crosse, Wis.	31,635	5	3				4		4	.....
La Fayette, Ind.	21,481	6		1			2			.....
Lakewood, Ohio.	23,813	5	2		1					.....

<sup>1</sup> Population Apr. 15, 1910.



# DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Nov. 8, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Lancaster, Ohio.....	16,086	4	2				1			
Lancaster, Pa.....	51,437		15				4			
Laurel, Miss.....	12,313		2	1			2	1		
Lawrence, Kans.....	13,477	6	5						2	
Lawrence, Mass.....	102,923	20	4		1		6			1
Leavenworth, Kans.....	19,363		1						1	
Leominster, Mass.....	21,365	6					6			
Lexington, Ky.....	41,997	19	4				1		5	2
Lima, Ohio.....	37,145	7	18	1			9			1
Lincoln, Nebr.....	46,957						1			
Logansport, Ind.....	21,338	4					3			
Long Beach, Calif.....	29,163	14							1	
Long Branch, N. J.....	15,733	2	1		1		2			
Lorain, Ohio.....	38,266		2				1			
Los Angeles, Calif.....	535,485	120	23	1	1		2		51	24
Louisville, Ky.....	240,808	45	39	1			4		7	2
Lowell, Mass.....	114,366	26	5				7	1	5	3
Ludington, Mich.....	10,566	8								
Lynchburg, Va.....	33,497	5	1							
Lynn, Mass.....	104,534	12	7				17		5	
McKeesport, Pa.....	48,269		1		2		2		1	
Macon, Ga.....	46,009	39	8				1	1		
Madison, Wis.....	31,315	3					1			
Mahanoy City, Pa.....	17,709		1							
Malden, Mass.....	52,243	12	4				1		4	2
Manchester, Conn.....	15,859	3					1		1	
Manchester, N. H.....	79,607	17	5				2		5	2
Manitowoc, Wis.....	13,931	4	1		15		8			
Mankato, Minn.....	10,365	1								
Marinette, Wis.....	14,610	2					5			1
Marion, Ind.....	19,923	8	6				1			
Marion, Ohio.....	24,129		4				1			
Marlboro, Mass.....	15,285	2								
Marquette, Mich.....	12,555	7					1			
Martinsburg, W. Va.....	12,984		5						1	
Martins Ferry, Ohio.....	10,135	0								
Mason City, Iowa.....	14,938	5			1					
Meadville, Pa.....	13,968		2				3			
Medford, Mass.....	26,681	3	3		1		1		1	1
Melrose, Mass.....	17,724	3					4			
Memphis, Tenn.....	151,877	14	56	1			4		8	5
Meriden, Conn.....	29,431		1				6			
Methuen, Mass.....	14,320	6	2				2		2	1
Middletown, N. Y.....	15,800						1			2
Middletown, Ohio.....	16,334	4					1			1
Milwaukee, Wis.....	445,098	102	40	2	18		24		8	2
Minneapolis, Minn.....	373,448	84	10	1			11		16	8
Mobile, Ala.....	59,201	16	9				3			3
Moline, Ill.....	27,976	5	2		1					
Monessen, Pa.....	23,070		3				1			
Montclair, N. J.....	27,087	1			1		9		1	
Montgomery, Ala.....	44,039	21	3				2		2	2
Morgantown, W. Va.....	14,444	3	1				4		1	
Morristown, N. J.....	13,410	7								
Moundsville, W. Va.....	11,513	3			3					
Mount Carmel, Pa.....	20,709		2				1		3	
Mount Vernon, Ill.....	10,043	13							2	
Muncie, Ind.....	25,653	10	2							
Muskogee, Okla.....	47,173		14		1		1			
Nanticoke, Pa.....	23,811				1					
Nashua, N. H.....	27,541	2	7				1			3
Nashville, Tenn.....	118,136	32	28				8		3	3
Newark, N. J.....	418,789	98	56	3	42		11		42	10
New Bedford, Mass.....	121,622	13	3	1	46		9		2	3
New Britain, Conn.....	55,385	13	9		1		2		1	
New Brunswick, N. J.....	25,855		1							
Newburgh, N. Y.....	29,893		1				1		1	
Newburyport, Mass.....	15,291	1							1	
New Castle, Pa.....	41,915		1				12			
New Haven, Conn.....	152,275	41	6		12		6	1	7	3
New London, Conn.....	21,199	3	3						1	

Population Apr. 15, 1910.

# DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Nov. 8, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New Orleans, La.	377,010	109	7	2			3		21	15
Newport, R. I.	30,585	10	1				3			
Newton, Mass.	44,345	19	3	2			6			
New York, N. Y.	5,737,492	1,032	254	22	146	4	48		208	89
Niagara Falls, N. Y.	38,466	10			6	1	1		2	
Norfolk, Va.	91,148	39	9	1			3			
Norristown, Pa.	31,969		1				2			
North Adams, Mass.	122,019	12								1
Northampton, Mass.	20,006	9					1		2	2
North Attleboro, Mass.	11,248	2								
North Braddock, Pa.	15,684		1		3		2			
North Little Rock, Ark.	15,515	0					2			
North Tonawanda, N. Y.	14,060	3	2		1		17			1
Norwalk, Conn.	27,332								1	
Norwich, Conn.	21,923								2	
Norwood, Ohio.	23,269	2			29		3		1	
Oakland, Calif.	206,405	49	4	1	31		9		7	3
Oak Park, Ill.	27,816	10	9		1					
Ogdensburg, N. Y.	16,845	5								
Ogden, Utah.	32,343	5								
Oil City, Pa.	20,162		5				1		1	
Oklahoma City, Okla.	97,588	16	9		2		2		2	
Omaha, Nebr.	177,777	41	7	2	1		7			2
Orange, N. J.	33,636	7	2	1			3		2	
Oshkosh, Wis.	36,549	4					3			
Parkersburg, W. Va.	21,059	6								1
Parsons, Kans.	15,952	1	2	1			1			
Passaden, Calif.	49,620	10	2				1		2	3
Passaic, N. J.	74,478	9	1				1		4	1
Pateron, N. J.	140,512		12				1		5	
Pawtucket, R. I.	60,666	16	1				1			
Peabody, Mass.	18,785	2								
Peekskill, N. Y.	19,634	3								1
Pekin, Ill.	10,973				1		1			
Peoria, Ill.	72,184	24	25				11			
Perth Amboy, N. J.	42,646	7								2
Petersburg, Va.	28,817	18	4						2	1
Philadelphia, Pa.	1,735,514	402	127	10	56	1	56	1	97	57
Phillipsburg, N. J.	15,879	2	2				1			
Pine Bluff, Ark.	17,777								1	
Piqua, Ohio.	14,275	4	1							
Pittsburg, Pa.	386,196	74			21		17		17	
Pittsfield, Mass.	39,678	12							2	
Pittston, Pa.	18,975		1							
Plainfield, N. J.	24,330	7	1		12					1
Plattsburg, N. Y.	13,111	5	2							
Plymouth, Mass.	14,001	1								
Plymouth, Mich.	19,439		1							
Pontiac, Mich.	18,006	10	15		73		4			
Portland, Me.	64,720	9	1							
Portland, Oreg.	308,399	51	5	2	2		15		5	1
Portsmouth, N. H.	11,730		2				4		1	
Portsmouth, Va.	40,693	14	5				2		2	3
Pottsville, Pa.	22,717		3						1	
Poughkeepsie, N. Y.	30,786	11	3	1						
Providence, R. I.	259,895	47	10	1			13			3
Pueblo, Colo.	56,084	0					1			
Quincy, Mass.	39,022	8	2				1			1
Racine, Wis.	47,465	9	1	1	2		7			1
Rahway, N. J.	10,361	0	1							
Raleigh, N. C.	20,274	5	3		1		5		1	1
Reading, Pa.	111,607		15		3		4		2	
Redlands, Calif.	14,573	2								1
Reno, Nev.	15,514	5							2	
Richmond, Va.	158,702	43	17	1	2		7		3	3
Riverside, Calif.	20,406	4	1							
Roanoke, Va.	46,282	7	3		2	1				
Rochester, N. Y.	264,714	66	38	3	17		10		6	4
Rockford, Ill.	56,739	18	3							2
Rock Island, Ill.	29,452	6	3		1		3		1	
Rocky Mount, N. C.	12,673	10	10				1		1	1

<sup>1</sup> Population Apr. 15, 1910.

# DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Nov. 8, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Rome, Ga.	15,607		4						2	
Sacramento, Calif.	68,984	18	3						1	6
Saginaw, Mich.	56,469	14		1						
Saint Cloud, Minn.	12,013		12		2					
Saint Joseph, Mo.	86,498	25	7							
Saint Louis, Mo.	768,630	171	137	11	13		26		40	12
Saint Paul, Minn.	252,465	43	33	2			8		11	3
Salem, Mass.	49,346	11	8	1			6		2	1
Salem, Ore.	24,274	3					1	1		
Salt Lake City, Utah.	121,623	28	6		3		1		1	1
San Angelo, Tex.	10,321	17		1						
San Bernardino, Calif.	17,616	5								2
San Diego, Calif.	56,412	18	4							
Sandusky, Ohio.	20,226	3								
Sanford, Me.	11,217	1								1
San Francisco, Calif.	471,023	126		1						11
San Jose, Calif.	39,810		1	2					3	
Santa Cruz, Calif.	15,150	2	1		1					
Saratoga Springs, N. Y.	13,839	3	1						3	1
Saugus, Mass.	10,210	4	2							
Savannah, Ga.	69,250	22	6				3		3	5
Schenectady, N. Y.	103,774	14	3						2	
Scranton, Pa.	149,541		6				3		7	
Seattle, Wash.	366,445		9		15		5			
Shamokin, Pa.	21,274		8		3					
Sharon, Pa.	19,136						3			
Sioux City, Iowa.	58,568		1				6			
Sioux Falls, S. Dak.	16,887	4	3				6		1	2
Somerville, Mass.	88,618	22	7	1			2		1	3
South Bend, Ind.	70,967	16	3							
Southbridge, Mass.	14,465	2								
Spartenburg, S. C.	21,985		3							1
Spokane, Wash.	157,656		3		1		6			
Springfield, Ill.	62,623	16	6				1			1
Springfield, Mass.	108,668	24	2	1	1		7		1	
Springfield, Mo.	41,169	10								
Springfield, Ohio.	52,296	15		1			2		2	
Stamford, Conn.	31,810		5		9		1			
Steeltown, Pa.	15,759		1				1		1	
Steubenville, Ohio.	28,259	9	3		1					
Stockton, Calif.	36,209	6	1		1		1			
Superior, Wis.	47,167	12	2							1
Syracuse, N. Y.	158,559	30	13	1			17		5	
Tacoma, Wash.	117,446		5				3		2	
Taunton, Mass.	36,610	14					3		1	
Terre Haute, Ind.	67,361	11	1		1		1			
Toledo, Ohio.	202,010	50	7		44		28		5	4
Topeka, Kans.	49,538	10	6				1		2	1
Trenton, N. J.	113,974	25	8		3		2		6	
Troy, N. Y.	78,094	20	2				1			2
Union, N. J.	25,370		1							
Vancouver, Wash.	13,805		5				3			
Virginia, Minn.	15,954		1							
Waco, Tex.	34,015	10	5				2			
Waltham, Mass.	31,011	6	5		1					
Washington, D. C.	369,282	98	32	3			10		25	7
Washington, Pa.	22,076		2				2			
Waterbury, Conn.	89,201		31	1	1		7		6	
Watertown, Mass.	15,188	6	2							
Watertown, N. Y.	30,404	2			1		1			
Wausau, Wis.	19,666								1	
West Chester, Pa.	13,403		2				3			
Westfield, Mass.	18,769	4	7						1	1
West Hoboken, N. J.	44,386	3	1							
West New York, N. J.	19,613	1	2				2			
West Orange, N. J.	13,964	4	6	2					1	
Wheeling, W. Va.	43,657	11	1		1					
White Plains, N. Y.	23,331	5	1				1		4	
Wichita, Kans.	73,597	33	10				6		4	1
Wilkes Barre, Pa.	78,334		5				5		6	
Wilkinsburg, Pa.	23,899		1		2					

1 Population, Apr. 15, 1910.

# **DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—** Continued.

**City Reports for Week Ended Nov. 8, 1919—Continued.**

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Williamsport, Pa.....	34,123	.....	1	.....	.....	.....	3	.....	.....	.....
Wilmington, Del.....	95,369	33	4	1	.....	.....	4	.....	.....	.....
Wilmington, N. C.....	30,400	9	1	.....	.....	.....	.....	.....	1	.....
Winchester, Mass.....	10,812	1	.....	.....	.....	.....	.....	.....	.....	.....
Winona, Minn.....	18,583	4	.....	.....	6	.....	1	.....	.....	.....
Winston-Salem, N. C.....	33,136	9	4	.....	.....	.....	.....	.....	4	2
Winthrop, Mass.....	13,105	.....	.....	.....	1	.....	2	.....	1	.....
Woburn, Mass.....	16,076	3	.....	.....	.....	.....	.....	.....	.....	.....
Worcester, Mass.....	166,106	35	8	.....	.....	.....	7	.....	7	4
Yakima, Wash.....	22,058	.....	.....	.....	.....	.....	.....	.....	1	.....
Yonkers, N. Y.....	103,066	21	13	.....	.....	.....	2	.....	.....	3
York, Pa.....	52,770	.....	7	.....	7	.....	11	.....	1	.....
Youngstown, Ohio.....	112,282	.....	9	1	2	.....	6	.....	1	1
Zanesville, Ohio.....	31,320	15	.....	1	.....	.....	.....	.....	1	2

<sup>1</sup> Population, Apr. 15, 1910.

## FOREIGN.

### ARGENTINA.

#### Plague—Buenos Aires—1901-1919.

The following statistics of the occurrence of bubonic plague at Buenos Aires, Argentina, during the period 1901-1918, and January to September, 1919, have been recently published by the office of the Asistencia Publica of Buenos Aires:

Year.	Cases.	Deaths.	Year.	Cases.	Deaths.
1901.....	20	2	1911.....	79	12
1902.....	22	2	1912.....	51	8
1903.....	27	3	1913.....	64	2
1904.....	18	1	1914.....	72	6
1905.....	25	4	1915.....	42	3
1906.....	80	21	1916.....	24	3
1907.....	125	21	1917.....	49	4
1908.....	38	1	1918.....	41	11
1909.....	116	7	1919 (Jan. 1 to Sept. 1).....	122	31
1910.....	38	1			

It will be observed that an increase in the number of cases was reported for the period January 1 to September 1, 1919, over the number reported for any complete year since 1901, except the year 1907, and that the number of deaths reported for the same period in the year 1919 was greater than that reported for any complete year since 1900.

### BERMUDA.

#### Epidemic Dengue.

Dengue fever in epidemic form was reported prevalent throughout the colony November 1, 1919.

### BRAZIL.

#### Epidemic Smallpox—Bahia.

The board of health of Bahia reports the occurrence of an outbreak of epidemic smallpox, with a total of 1,203 cases notified from August 1 to October 23, 1919, with 500 deaths; 145 cases were notified in August, 356 in September, and in October 702 cases. Only cases removed for treatment to the isolation hospital have been reported; a large number of cases remained in private homes.



## BRITISH WEST INDIES.

## Spleen Census, 1918—Trinidad and Tobago.

Council Paper No. 100 of 1919, for the colony of Trinidad and Tobago, British West Indies, entitled "Malaria Report, Spleen Census, 1918," gives the following information:

A spleen census taken throughout the colony of Trinidad and Tobago, beginning September 3 and finished December 4, 1918, in all districts of the colony, shows results as follows:

Number of children examined, 20,590; number of children with enlarged spleens, 2,420; percentage of children with enlarged spleens, 11.8.

The highest percentage of enlarged spleens was obtained in the Mayaro district, viz, 70.2 per cent of 545 children examined, and the lowest in the Port of Spain district, viz, 0.1 per cent of 4,972 children examined.

The result obtained in Arima district appears remarkable, viz, 44.20 per cent in 1918 as compared with 7.9 in 1913-14 and 1.09 in 1914, and is probably explained by unusual malarial outbreaks in that district.

In eight districts there was a distinct increase in the enlarged spleen rate in 1918 as compared with 1913-14. In all the 11 other districts in which the census was taken there was a satisfactory decrease of the rate, and in the whole colony there was a decrease from 17.9 per cent in 1913-14 to 14.1 in 1914 and 11.8 in 1918.

## Comparative Results—Mauritius—Ceylon—Trinidad and Tobago.

The table following shows the results of spleen examinations in Mauritius, Ceylon, and Trinidad and Tobago:

Colony.	Date of census.	Number of children examined.	Number of enlarged spleens.	Percentage of enlarged spleens.
Mauritius.....	1907-08..	31,022	10,595	34.2
Ceylon.....	1908.....	92,258	31,421	34.1
Trinidad and Tobago.....	1913-14..	17,495	3,134	17.9
Do.....	1914.....	25,927	3,658	14.1
Do.....	1918.....	20,590	2,420	11.8

## CANADA.

## Smallpox—Province of Ontario.

An officer of the Public Health Service visited Toronto, Ontario, Canada, November 17, 1919, for the purpose of securing information relative to the outbreak of smallpox. He reports that 368 cases of smallpox and 204 cases of chicken pox were reported in Toronto from November 1 to 15. During the same period 178 cases of small-

pox were reported from other places in the Province of Ontario, including Hospital Orillia, 35 cases; Stratford, 19; Woodstock, 11; Stouffville, 10; Dunwich, 10; and Kriegerdorf, 9 cases.

From January 1 to October 31, 1919, 8 cases of smallpox and 912 cases of chicken pox were reported in Toronto. The smallpox is very mild in form, and the health officer of Toronto is of the opinion that many cases of this disease have been diagnosed as chicken pox.

On October 17 the number of cases reported in the city of Toronto was said to be decreasing.

### CUBA.

#### Communicable Diseases—Habana—Oct. 21-31, 1919.

Communicable diseases were notified at Habana from October 21 to 31, 1919, as follows:

Disease.	New cases.	Deaths.	Remain- ing under treatment Oct. 31, 1919.	Disease.	New cases.	Deaths.	Remain- ing under treatment Oct. 31, 1919.
Bronchopneumonia.....		2		Measles.....	15		10
Chicken pox.....			3	Paratyphoid fever..	3		4
Dengue.....	2		2	Pneumonia.....		1	
Diphtheria.....	5		2	Scarlet fever.....	2		2
Influenza.....	3	1	2	Smallpox.....	11		33
Leprosy.....			19	Typhoid fever.....	19	4	73
Malaria.....	60	2	168				

<sup>1</sup> From the interior 34.

<sup>2</sup> From the interior 20.

### GREAT BRITAIN.

#### Plague Rats on Vessel—Liverpool.

The finding of plague-infected rats on the steamship *Musician*, which arrived October 24, 1919, at Liverpool from South American ports, has been reported. The *Musician* left Pernambuco, Brazil, September 5, 1919.

### GREECE.

#### Sanitary Stations—Macedonia.

The ministry of public assistance has decided to open sanitary stations in eastern Macedonia for combating epidemic conditions, particularly as regards malaria.

### INDIA.

#### Anthrax—Madras Presidency.

During the month of July, 1919, 269 fatal cases of anthrax in stock were reported in the Madras Presidency, India, by the Civil Veterinary Department.

**MEXICO.****Dengue—Vera Cruz.**

Dengue fever was reported present with many cases at Vera Cruz, Mexico, November 1, 1919.

**PLAGUE ON VESSEL.****Steamship "Nankin" at Port Said.**

The steamship *Nankin* from London via Marseille arrived at Port Said, Egypt, with nine cases of plague on board occurring among the crew from July 10 to the date of arrival at Port Said. On July 13 two additional cases were removed from the vessel and to July 17, 1919, a total of 17 cases was reported landed from the *Nankin* at Port Said.

The *Nankin* left London June 26, Marseille July 6, and Malta July 8, 1919. The finding of six dead rats during the voyage was reported by the ship's surgeon. At Marseille the *Nankin* took on mail from Rotterdam and merchandise, and the ship's officer who had charge of the loading stated that a great number of fleas were observed on the bags containing the mail and merchandise. On July 10 a cat on board was found to be sick with a cervical bubo and a kitten was found with inguinal plague. On the same date a Lascar member of the crew was taken ill but without buboes, and on July 11 three other Lascars were attacked but exhibited no buboes. On July 12 a Lascar was taken ill with buboes present and buboes developed in the four cases previously reported.

The history of the *Nankin* shows that the vessel left Bombay May 3, 1919, stopping at Aden, where two suspect cases of plague were landed. On reaching Suez the vessel received telegraphic report that the cases landed at Aden had been declared negative. The *Nankin* arrived at London May 29, remaining there until June 26, leaving the Thames June 27, 1919.

**SPAIN.****Plague—Barcelona.**

The occurrence of five cases of plague at Barcelona during September was reported October 6, 1919. The cases occurred among laborers employed in a warehouse.

## CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During Week Ended Nov. 28, 1919.<sup>1</sup>

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Sept. 21-27.....	2	1	Aug. 10-16, 1919: Cases, 14; deaths, 7.
Calcutta.....	do.....		9	
Madras.....	Oct. 5-11.....	2	1	
Rangoon.....	Sept. 21-27.....	1	1	
Indo-China:				
Cochin-China—				
Saigon.....	Sept. 22-28.....	9	8	
Japan:				
Taiwan Island (Formosa).....	Sept. 22-30.....	481	264	
Manchuria:				
Dairen.....	Sept. 9-29.....	192	143	
Philippine Islands:				
Manila.....	Sept. 21-Oct. 4.....	40	26	Sept. 21-27, 1919: Cases, 927; deaths, 651.
Provinces.....				
Albay.....	Sept. 21-27.....	41	30	
Bataan.....	do.....	1	1	
Batangas.....	do.....	32	23	
Bohol.....	do.....	1	1	
Cagayan.....	do.....	6	6	
Capiz.....	do.....	7	5	
Cavite.....	do.....	17	14	
Cebu.....	do.....	38	21	
Davao.....	do.....	22	16	
Ilocos Norte.....	do.....	87	55	
Ilocos Sur.....	do.....	295	189	
Hollo.....	do.....	30	24	
Laguna.....	do.....	25	15	
Mindoro.....	do.....	4	4	
Mountain.....	do.....	16	8	
Nueva Ecija.....	do.....	17	10	
Occidental Negros.....	do.....	11	10	
Oriental Negros.....	do.....	1		
Pangasinan.....	do.....	28	24	
Rizal.....	do.....	93	67	
Sorsogon.....	do.....	1	1	
Tarlac.....	do.....	47	31	
Tayabas.....	do.....	14	10	
Union.....	do.....	89	81	
Zambales.....	do.....	4	5	
Provinces.....				Sept. 28-Oct. 4, 1919: Cases, 633; deaths, 471.
Albay.....	Sept. 28-Oct. 4.....	30	23	
Ambos Camarines.....	do.....	85	70	
Batangas.....	do.....	13	8	
Bohol.....	do.....	8	7	
Cagayan.....	do.....	10	6	
Capiz.....	do.....	2	1	
Cavite.....	do.....	8	5	
Cebu.....	do.....	23	15	
Davao.....	do.....	4	2	
Ilocos Norte.....	do.....	83	66	
Ilocos Sur.....	do.....	101	74	
Hollo.....	do.....	56	39	
Laguna.....	do.....	14	12	
Mindoro.....	do.....	6	7	
Mountain.....	do.....	6	5	
Occidental Negros.....	do.....	31	21	
Pangasinan.....	do.....	24	16	
Rizal.....	do.....	46	32	
Sorsogon.....	do.....	11	3	
Tarlac.....	do.....	26	21	
Tayabas.....	do.....	25	21	
Union.....	do.....	20	16	
Zambales.....	do.....	1	1	

<sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received During Week Ended Nov. 28, 1919—Continued.**

## **PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Sept. 6-20.....	3	4	
Egypt:				
Alexandria.....	Oct. 15-21.....	7		
India.....				Sept. 21-27, 1919: Cases, 1,791; deaths, 1,264.
Bombay.....	Sept. 21-27.....	4	4	Aug. 10-16, 1919: Cases, 5; deaths, 2.
Karachi.....	Oct. 5-11.....	1	1	
Madras Presidency.....	do.....	106	86	
Rangoon.....	Sept. 21-27.....	7	6	
Indo-China:				
Cochin-China:				
Saigon.....	Sept. 22-28.....	6	4	
Spain:				
Barcelona.....	Oct. 6.....	5		

## **SMALLPOX.**

Brazil:				
Bahia.....	Aug. 1-Oct. 23....	1,203	500	Epidemic outbreak.
Canada:				
Nova Scotia—				
Counties—				
Antigonish.....	Nov. 2-8.....			Present.
Halifax.....	do.....			Do.
Ontario—				
Hamilton.....	Nov. 9-15.....	1		
Quebec—				
Quebec.....	Nov. 2-8.....	1		
China:				
Chungking.....	Sept. 21-Oct. 4....			Present.
Foochow.....	do.....			Do.
Egypt:				
Alexandria.....	Oct. 15-21.....	5	3	
India:				
Bombay.....	Sept. 15-21.....	5	1	Aug. 10-16, 1919: Cases, 8; deaths, 3.
Calcutta.....	Sept. 21-27.....		5	
Madras.....	Oct. 5-11.....	8	5	
Rangoon.....	Sept. 21-27.....	7	2	
Indo-China:				
Cochin-China—				
Saigon.....	Sept. 22-28.....	3	1	
Italy:				
Messina.....	Oct. 13-19.....	20	20	
Milan.....	July 1-Aug. 31....	46	4	
Mexico:				
San Luis Potosi.....	Nov. 2-8.....		1	
Newfoundland:				
St. Johns.....	Oct. 25-Nov. 14....	11		Nov. 8-14: Outports—4 cases.
Portugal:				
Lisbon.....	Oct. 5-25.....		25	
Oporto.....	Sept. 14-Oct. 25....	5	5	
Russia:				
Riga.....	July 1-31.....	203		
Spain:				
Bilbao.....	Oct. 11-20.....		2	
Malaga.....	Oct. 1-31.....		1	
Valencia.....	Oct. 19-25.....	5		
Vigo.....	Oct. 19-Nov. 1....		3	



# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received During Week Ended Nov. 28, 1919—Continued.**

## **TYPHUS FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt:				
Alexandria.....	Oct. 15-21.....	11	5	Sept. 8-21, 1919: Cases, 8. Occurring in five provinces among the civil population.
Italy.....				
Mesopotamia:				
Bagdad.....	Aug. 9-15.....	1		Present.
Mexico:				
San Luis Potosi.....	Nov. 2-8.....			
Portugal:				
Oporto.....	Sept. 14-Oct. 11...	7		
Russia:				
Riga.....	July 1-31.....	1,247		
Spain:				
Madrid.....	Sept. 1-30.....		2	
Tunis:				
Tunis.....	Sept. 14-Oct. 25...	2		

## **YELLOW FEVER.**

Brazil:				
Bahia.....				July 6-Sept. 6, 1919: Cases, 25; deaths, 5.
Mexico:				
Merida.....	Sept. 21-Oct. 18...	14	6	

**Reports Received from June 28 to Nov. 21, 1919.**

## **CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Apr. 20-26.....	10		Outbreak 148 miles from Colombo. Spread to other places.
Hambantota.....	July 25.....			
China:				
Amoy.....	June 17-30.....		25	Present in foreign section, island Shamien, Aug. 8.
Do.....	July 1-Sept. 13.....		643	
Antung.....	Aug. 5-Oct. 12.....	1,154	428	
Canton.....	June 8-21.....	10	3	
Do.....	June 29-Aug. 16...	10	11	
Do.....	Aug. 31-Sept. 6....	1	1	Daily average over 50 fatalities. To July 16: Average of 100 fatalities daily. To July 26: Average of 30 cases daily. Five fatal cases European. July 27-Aug. 9: Epidemic.
Do.....	Sept. 21-27.....	1	1	
Chefoo.....	Aug. 31-Sept. 6....			
Foochow.....	July 10-26.....			
Hankow.....	Aug. 31-Sept. 6....	1		
Hongkong.....	July 13-Sept. 27...	40	37	Present. Foreign. Choleraic disease prevalent from about July 15 with high mortality.
Mukden.....	Sept. 6-13.....			
Peking.....	Aug. 24-30.....		1	
Shanghai.....	Aug. 6-31.....	7	1	
Swatow.....	May 25-June 28.....		90	
Do.....	June 29-Aug. 30.....		120	Cases are from reports of physicians from the foreign concessions and native city. Deaths are for the British concession. Present: 30 miles from Swatow. Aug. 26: 6 cases. Keiki Province. In a Korean arrived from Antung, China, where cholera was prevalent. North Helan Province. Present.
Do.....	Sept. 7-13.....	5		
Tientsin.....	Aug. 10-Sept. 20...	245	4	
Tsinanfu.....	do.....	32	3	
Tsingtao.....	July 6-Sept. 21.....	146	83	
Ungkung.....	Aug. 16.....			Present: 30 miles from Swatow. Aug. 26: 6 cases. Keiki Province. In a Korean arrived from Antung, China, where cholera was prevalent. North Helan Province. Present.
Chosen (Korea).....	Aug. 15.....	3		
Anyo.....	do.....	1		
New Wiju.....	Aug. 12.....	1		
Seoul.....	Aug. 1-31.....	1	5	
Shingshu.....	do.....	1		
South Kankyo.....	Aug. 26.....			

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Chosen Korea—Continued.</b>				
Provinces—				
Kelki.....	Sept. 12-Oct 1....	96	72	
Kogen.....	do.....	4	3	
Kokai.....	do.....	1,628	892	
North Heian.....	do.....	867	446	
North Kankyo.....	do.....	253	112	
North Kelsbo.....	do.....	55	24	
North Zenra.....	do.....	184	76	
South Chusel.....	do.....	186	90	
South Heisel.....	do.....	851	448	
South Kankyo.....	do.....	239	129	
South Zenra.....	do.....	8	5	
<b>India:</b>				
Bombay.....	Apr. 28-June 28....	84	55	
Do.....	June 29-Sept. 20...	196	122	
Calcutta.....	May 4-June 21....		617	
Do.....	June 29-Sept. 20...		135	
Karachi.....	July 24-30.....	3	2	
Madras.....	May 18-June 28....	29	19	Jan. 19-25, 1919: Cases, 113;
Do.....	July 12-Oct. 4.....	56	34	deaths, 75.
Rangoon.....	Apr. 28-June 28....	108	85	
Do.....	June 29-Sept. 13...	79	76	
<b>Indo-China:</b>				
Cochin-China—				
Saigon.....	Apr. 21-June 29....	386	272	City and district.
Do.....	July 28-Sept. 7....	41	37	
<b>Japan:</b>				
Kobe.....	Sept. 21-27.....	1	1	
Pescadores Islands.....	July 14.....	40		In 1 village.
Taiwan Island.....				July 2-Aug. 12, 1919: Cases, 398
Do.....	Aug. 21-31.....	574	419	deaths, 245.
Do.....	Sept. 1-20.....	657	631	
Keelung.....	Aug. 8.....			Present in vicinity.
Taihoku.....	do.....			Present.
Tokio.....	Aug. 18-24.....	4		
Yokohama.....	Sept. 1-7.....	1		Sept. 5, 1 case on fishing vessel
<b>Java:</b>				
East Java.....				Apr. 2-June 20, 1919: Cases, 613;
Surabaya.....	Apr. 23-June 20....	97	79	deaths, 567. June 25-July 15,
Do.....	June 25-July 15....	15	13	1919: Cases, 16; deaths, 18.
Do.....	July 30-Aug. 5.....	1	1	
Do.....	Aug. 13-19.....	1	1	
Mid-Java.....				Mar. 28-June 27, 1919: Cases,
Samarang.....	Mar. 28-June 27....	90	85	2,079; deaths, 1,630.
West Java.....				May 2-June 26, 1919: Cases, 100;
Batavia.....	May 2-June 5.....	12	5	deaths, 67. July 18-Sept. 11,
Do.....	Aug. 2-28.....	6		1919: Cases, 29; deaths, 17.
Buitenzorg.....	Aug. 15-21.....	1		
Tjandjoer.....	do.....	2	2	
<b>Manchuria:</b>				
Dairen.....	Aug. 12.....			Present.
Harbin.....	Aug. 7.....			Present and in surrounding coun-
<b>Mesopotamia:</b>				
Bassorah.....	July 20-26.....	1		try. Aug. 14: Epidemic, with
<b>Persia:</b>				
Arbedil.....	May 2.....			an estimated number of from
Enzeli.....	Apr. 23.....	1		150 to 200 deaths.
Khorram-Ahab.....	May 3.....			
Mindege.....	Apr. 28.....			Present.
Zindjan.....	Apr. 21-May 4.....		49	Outbreak.
<b>Philippine Islands:</b>				
Manila.....	Apr. 26-June 28....	11	5	Do.
Do.....	June 29-Aug. 2.....	261	133	
Do.....	Aug. 10-Sept. 6....	259	121	
Do.....	Aug. 17-Sept. 20....	290	127	
<b>Provinces:</b>				
Batangas.....	May 4-21.....	25	23	May 4-24, 1919: Cases, 567; deaths,
Bulacan.....	do.....	48	25	383.
Cebu.....	do.....	162	84	
Laguna.....	do.....	20	15	
Mindoro.....	do.....	19	14	
Misamis.....	do.....	9	2	
Pampanga.....	do.....	166	131	
Tayabas.....	do.....	118	89	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Philippine Islands—Contd.</b>				
<b>Provinces.</b>				
Batangas.....	June 1-28.....	79	61	June 1-28, 1919: Cases, 615; deaths, 435.
Bohol.....	June 15-28.....	11	8	
Bulacan.....	June 1-28.....	63	27	
Cavite.....	June 8-28.....	23	14	
Cebu.....	June 22-28.....	24	11	
Ilocos Sur.....	June 15-21.....	1		
Laguna.....	June 8-21.....	16	13	
Nueva Ecija.....	June 1-28.....	60	39	
Pampanga.....	do.....	105	79	
Pangasinan.....	June 8-28.....	113	81	
Tayabas.....	do.....	108	81	
Union.....	June 22-28.....	7	7	
<b>Provinces.</b>				
Albay.....	Aug. 31-Sept. 20.....	30	12	June 29-Sept. 20, 1919: Cases, 14,409; deaths, 10,280.
Ambos Camarines.....	July 27-Aug. 23.....	145	90	
Do.....	Sept. 14-20.....	74	55	
Bataan.....	July 6-Aug. 9.....	8	7	
Do.....	Sept. 7-13.....	5	4	
Batangas.....	June 29-Sept. 20.....	1,061	812	
Bohol.....	do.....	78	60	
Bulacan.....	do.....	500	369	
Capiz.....	Aug. 24-Sept. 20.....	56	30	
Cavite.....	June 29-Aug. 16.....	174	115	
Do.....	Aug. 24-Sept. 20.....	107	71	
Cebu.....	June 29-July 26.....	84	41	
Do.....	Aug. 17-Sept. 20.....	796	186	
Davao.....	Sept. 7-13.....	1	1	
Ilocos Norte.....	Aug. 10-Sept. 20.....	407	301	
Ilocos Sur.....	July 20-Aug. 9.....	177	120	
Do.....	Aug. 17-30.....	211	146	
Do.....	Sept. 14-20.....	397	265	
Iloilo.....	July 6-Sept. 20.....	325	242	
Laguna.....	do.....	415	310	
Leyte.....	Aug. 24-30.....	41	18	
Mindoro.....	July 20-26.....	125	45	
Do.....	Aug. 2-30.....	79	45	
Misamis.....	July 20-26.....	6	4	
Do.....	Aug. 17-23.....	5	4	
Mountain.....	July 6-12.....	9	2	
Do.....	Aug. 31-Sept. 20.....	111	58	
Nueva Ecija.....	June 29-Sept. 20.....	544	381	
Occidental Negros.....	July 27-Sept. 20.....	123	83	
Oriental Negros.....	July 27-Sept. 6.....	173	100	
Pampanga.....	June 27-Sept. 6.....	568	461	
Pangasinan.....	June 27-Sept. 20.....	6,093	4,462	
Rizal.....	July 13-Aug. 23.....	420	262	
Do.....	Aug. 31-Sept. 20.....	359	211	
Sorsogon.....	July 27-Aug. 16.....	23	21	
Do.....	Sept. 11-20.....	34	19	
Tarlac.....	do.....	10	8	
Tayabas.....	June 29-Sept. 20.....	391	320	
Union.....	July 6-Sept. 20.....	1,205	867	
Zambales.....	July 13-19.....	1	1	
Do.....	Aug. 31-Sept. 13.....	28	116	
<b>Siam:</b>				
Bangkok.....	Apr. 12-June 28.....		697	
Do.....	June 30-Aug. 30.....		55	
<b>Straits Settlements:</b>				
Singapore.....	July 14-27.....	80	60	Sept. 30: Present.
<b>Sumatra:</b>				
Medan.....	June 29-Aug. 23.....	46	25	Present in neighboring villages, June-July, 1919.
<b>Turkey:</b>				
Constantinople.....	July 28.....			Present.
<b>On vessel:</b>				
Steamship.....	Aug. 17.....	1		At Yokohama, from Shanghai, Aug. 12, 1919.

## **PLAGUE.**

<b>Azores:</b>				
Fayal Island.....	Sept. 6-19.....			Present.
Terceira Island.....	do.....			Do.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Ceara.....	Aug. 3-Sept. 13....	84	21	
Pernambuco.....	May 26-June 1.....		1	
British East Africa:				
Kisumu.....	May 18-June 28.....			Present. Zanzibar Island.
Do.....	June 29-July 26.....			Do.
Do.....	Aug. 3-6.....			Present in vicinity. Zanzibar Island.
Nairobi.....	June 15-21.....	1		Native inspectors' reports, cases 52; deaths 52; native chiefs' reports, deaths 27.
Do.....	Aug. 17-23.....	5	2	Native inspectors' reports, cases 25; deaths 25; native chiefs' reports, deaths 27.
Ceylon:				
Colombo.....	Aug. 10-Sept. 27....	3	2	Town cases.
Chile:				
Antofagasta.....	Aug. 18-23.....	3		
China:				
Amoy.....	June 17-23.....		1	
Do.....	Aug. 18-Sept. 13....		1	Present.
Canton.....	May 25-June 28.....			Present. Apr. 27-May 10, 1919.
Foochow.....	May 18-24.....			Present. Cases, 3; present May 24-June 7, 1919.
Hongkong.....	June 15-28.....	42	33	
Do.....	June 29-Sept. 3.....	36	31	
Ecuador:				
Guayaquil.....	June 16-30.....	2	1	
Posorja.....	June 1-30.....	3	1	Bathing place 65 kilometers from Guayaquil.
Egypt:				Jan. 1-Aug. 6, 1919: Cases, 740; deaths, 405.
Cities—				
Alexandria.....	July 23-29.....	1		
Do.....	Sept. 3-9.....	3	2	
Ismailia.....	July 29.....	2		
Cairo.....	May 1.....		1	
Kantara.....	June 19-20.....	4	2	
Do.....	July 31-Aug. 3.....	2	3	
Port Said.....	May 1-June 28.....	9	10	Two European. Septicemic.
Do.....	July 2-Aug. 19.....	21	17	
Suez.....	June 5-11.....	3	3	
Provinces—				
Assiout.....	May 17-June 24.....	80	41	
Do.....	July 3-Aug. 6.....	7	3	
Beni-Souef.....	May 19-June 21.....	6	5	
Fayoum.....	May 18-July 5.....	10	7	
Girgeh.....	May 15-July 8.....	32	10	
Menoufia.....	June 8-24.....	5	1	
Minieh.....	May 24-June 25.....	29	11	
Do.....	July 5-7.....	3	1	
France:				
Marseille.....	Aug. 16-Sept. 2.....	5	3	Total number of cases reported to Aug. 27, 11; deaths, 3.
Great Britain:				
Liverpool.....	July 30.....	1	1	In dock laborer.
Greece:				
Athens.....	Oct. 20.....	5	3	
Piræus.....	Oct. 23.....	2	1	
Hawaii:				
Ah Poi Camp.....	Aug. 9.....	1	1	
Pāhūhau.....	July 19.....	1		
Kukūhau.....	Sept. 23.....	3	3	
Pāhūhū.....	Sept. 25.....	2	1	
India:				Apr. 27-June 28, 1919: Cases, 8,645; deaths, 6,933. June 29-Sept. 20, 1919: Cases, 10,287; deaths, 7,719.
Bombay.....	Apr. 28-June 28.....	278	202	
Do.....	June 29-Sept. 20.....	60	39	
Calcutta.....	May 18-June 14.....		38	
Do.....	June 28-Aug. 2.....		22	
Karachi.....	May 18-June 28.....	145	132	
Do.....	June 29-Oct. 4.....	64	54	
Madras.....				Jan. 19-25, 1919: Cases, 2; deaths, 1.
Madras Presidency.....	July 6-Aug. 16.....	381	237	Jan. 19-25, 1919: Cases, 586; deaths, 347. May 30-June 5, 1919: Cases, 37; deaths, 28.
Do.....	Aug. 1-Oct. 4.....	396	232	
Rangoon.....	Apr. 28-June 28.....	75	63	
Do.....	July 6-Sept. 20.....	251	129	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China:				
Cochin China—				
Saigon.....	Apr. 21-June 29....	31	23	City and district.
Do.....	July 28-Aug. 24....	8	4	
Do.....	Aug. 31-Sept. 7....	3	3	
Japan:				
Yokohama.....	June 9-15.....	1	1	
Java:				
East Java.....				Apr. 8-June 28, 1919: Cases, 130; deaths, 130. July 23-Sept. 9, 1919: Cases, 53; deaths, 53.
Surabaya.....	Apr. 23-June 3....	7	7	
Temanggoeng.....	July 30-Sept. 9....	10	6	
Mid-Java.....	July 30-Sept. 2....	43	43	Apr. 26-May 30, 1919: Cases, 23; deaths, 23.
Samarang.....	Apr. 26-June 27....	26	26	
Mesopotamia:				
Bagdad.....	Apr. 19-June 20....	346	269	Including suburb of Ashar. Total from date of outbreak, March, 1919, to June 24, 1919: Cases, 396; deaths, 256.
Do.....	July 19-25.....	2	1	
Do.....	Aug. 2-8.....	1	1	
Basra.....	May 3-10.....	108	89	
Bassorah.....	July 20-Oct. 24....	4	1	
Senegai:				
Dakar.....	Sept. 1-30.....	1	1	Reported present in vicinity.
Siam:				
Bangkok.....	Apr. 27-May 17....	2	2	
Spain:				
Barcelona.....	Sept. 15.....	5	5	
Straits Settlements:				
Singapore.....	Apr. 13-26.....	2	1	
Do.....	July 14-Aug. 30....	12	7	
Syria:				
Beirut.....	Oct. 11.....	24	24	Present.
Turkey:				
Constantinople.....	Oct. 9.....			Bubonic and pneumonic.
On vessels:				
S. S. City of Sparta.....	Apr. 19-21.....	1	1	From Bombay, Apr. 3, 1919: case, a soldier at sea.
Do.....	May 13-17.....	1	1	At Liverpool: Case, a native member of the crew. (Public Health Reports, June 27, 1919, p. 1463.)
S. S. Clan Lamont.....	Aug. 19.....	1	1	In dock in port of London, England. Vessel left Calcutta Mar. 23; arrived Buenos Aires May 9; sailed June 20; arrived Montevideo and sailed June 21; arrived St. Vincent, Cape Verde Islands, July 10.
S. S. Framlington Court.....	July 25.....	1	1	From Alexandria, May 30; from Montreal, July 4; from Sydney, Nova Scotia, July 9; at Avonmouth, England, July 22, 1919.

## **SMALLPOX.**

Algeria:				
Algiers.....	June 1-30.....	1	1	
Do.....	July 1-Aug. 31....	16	5	
Arabia:				
Aden.....	May 13-19.....		1	
Austria:				
Salzburg.....	Mar. 9-Apr. 5....	40	40	Mar. 9-Apr. 5, 1919: Cases, 92.
Vienna.....	do.....	17	17	
Azores:				
St. Michaels.....	June 7-20.....	1	1	
Brazil:				
Bahia.....	Apr. 20-June 7....	4	4	Jan. 1-May 3, 1919: Cases, 19.
Para.....	Sept. 21-27.....		1	
Pernambuco.....	May 4-25.....	5	5	
Rio de Janeiro.....	May 11-June 21....	61	20	
Do.....	June 30-Sept. 27....	437	115	



# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>British East Africa:</b>				
Kisumu.....	Mar. 2-8.....	1	1	Zanzibar Island.
Mombasa.....	Mar. 1-June 7.....	275	37	
Mtebba.....	Mar. 24-Apr. 6.....			Present: In Uganda.
Nairobi.....	Mar. 1-May 31.....	3		
Do.....	Aug. 21-Sept. 13.....	18	2	
Prison Island Quarantine Station.		1	1	Zanzibar Island. In February, 1919. From vessel from India.
<b>British West Indies:</b>				
Granada.....	Sept. 27.....			1 case reported from Carriacou.
<b>Canada:</b>				
<b>British Columbia—</b>				
Vancouver.....	June 15-Sept. 11.....	8		
<b>New Brunswick—</b>				
Campbellton.....	June 15-21.....	1		
Do.....	Aug. 1-Oct. 31.....	2		
Moncton.....	July 6-12.....	1		
St. John.....	July 27-Aug. 2.....	1		
<b>Nova Scotia—</b>				
<b>Cities—</b>				
Bridgenorth.....	July 27-Aug. 9.....			A few cases; mild.
Halifax.....	June 29-Sept. 20.....	65		June 14-28, 1919: Cases, 61.
Do.....	Oct. 19-Nov. 1.....	3		
Sydney.....	June 8-21.....	3		
Do.....	Aug. 1-Sept. 6.....	4		
<b>Counties—</b>				
Antigonish.....	June 28-Oct. 11.....			Present.
Colchester.....	Aug. 3-Nov. 1.....			Do.
Cumberland.....	Aug. 30-Oct. 11.....			Do.
Guysborough.....	Aug. 18-30.....			Do.
Do.....	Sept. 21-Nov. 1.....			Do.
Halifax.....	June 28-Oct. 25.....			Do.
Do.....	do.....			Do.
Kings.....	Aug. 10-Oct. 11.....			Do.
Lunenburg.....	July 13-Aug. 16.....			Present. Also on Cape Breton Island, July 27-Aug. 21.
Pictou.....	July 20-Oct. 18.....			Present.
Richmond.....	Aug. 24-Sept. 20.....			Do.
Shelbourne.....	Aug. 24-30.....			Do.
Victoria.....	Aug. 3-9.....			Do.
<b>Ontario—</b>				
<b>Province.....</b>				May 1-June 30, 1919: Cases, 166; deaths, 4. July 1-31, 1919: Cases, 51; death, 1.
Hamilton.....	June 29-Aug. 2.....	2		Township in Kent County.
Harwich.....	May 1-31.....	14	2	
North Bay.....	Sept. 21-27.....	1		
Ottawa.....	June 15-21.....	2		
Do.....	June 29-Sept. 6.....	3		
Peterborough.....	June 15-21.....	4		
Toronto.....	Aug. 31-Oct. 18.....	3		Outbreak in first half of November, 1919: Cases about 368.
Walpole Island.....	May 1-31.....	42		Kent County, Island in Lake St. Clair. Among Indians.
<b>Prince Edward Island—</b>				
Charlottetown.....	July 16-Nov. 5.....	9		
<b>Quebec.....</b>				In Bonaventure and Gaspé Counties, Aug. 1-31, 1919: 2 cases.
Montreal.....	June 8-28.....	18		
Do.....	Aug. 24-Nov. 1.....	19		
Do.....	Oct. 19-25.....	5		
Quebec.....	June 8-28.....	18		June 8-14, 1919: 1 case on incoming vessel.
Do.....	July 5-Nov. 1.....	42		Estimated. On Indian reserve.
Restigouche.....	June 15-July 31.....	40		
<b>Saskatchewan—</b>				
Regina.....	Oct. 26-Nov. 1.....	1		
<b>Ceylon:</b>				
Colombo.....	May 1-31.....	4		June 17-23.
Do.....	July 13-Aug. 23.....	3	3	
<b>China:</b>				
Amoy.....	May 20-June 16.....		13	
Do.....	July 8-21.....			Present.
Do.....	July 29-Sept. 13.....		3	Do.
Canton.....	May 18-June 21.....			Do.
Do.....	July 1-Aug. 16.....			Do.
Do.....	Aug. 31-Sept. 6.....			Do.
Do.....	Sept. 21-27.....			Do.
Chefoo.....	June 8-21.....			Do.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>China—Continued.</b>				
Chungking.....	May 4-June 28.....	.....	.....	Present
Do.....	June 29-Sept. 20.....	.....	.....	Do.
Foochow.....	May 18-Aug. 23.....	.....	.....	Do.
Hankow.....	Aug. 31-Sept. 6.....	3	.....	Do.
Hongkong.....	May 18-June 28.....	5	5	Do.
Do.....	Aug. 31-Sept. 13.....	.....	.....	Do.
Nanking.....	May 25-June 28.....	.....	.....	Do.
Do.....	June 29-Oct. 4.....	.....	.....	Do.
<b>Chosen (Korea):</b>				
Chemulpo.....	Apr. 1-June 30.....	22	4	
Do.....	July 1-31.....	1	1	
Fusan.....	.....do.....	336	96	
Do.....	.....do.....	4	.....	
Seoul.....	Apr. 1-May 31.....	3	1	
Do.....	Aug. 1-31.....	1	.....	
<b>Cuba:</b>				
Habana.....	Aug. 2-Oct. 23.....	35	.....	First case from S. S. Venezia from Spanish ports; arrived Habana about July 20, 1919.
<b>Czecho-Slovakia:</b>				
Prague.....	May 18-June 21.....	11	2	
<b>Denmark:</b>				
Copenhagen.....	.....	.....	.....	Apr. 2-26, 1919: Cases, 11.
<b>Egypt:</b>				
Alexandria.....	May 14-June 24.....	233	95	
Do.....	June 25-Oct. 14.....	252	129	
Cairo.....	Jan. 2-May 20.....	544	124	
Do.....	June 18-Sept. 9.....	422	161	
Port Said.....	July 9-Sept. 9.....	5	.....	
<b>Finland:</b>				
Provinces—				Apr. 16-June 30, 1919: Cases, 469.
Abo Och Bjorneborg.....	Apr. 16-June 30.....	13	.....	July 1-15, 1919: Cases, 44.
Kuopio.....	.....do.....	88	.....	Aug. 1-31, 1918: Cases, 8.
Do.....	July 1-15.....	1	.....	
Finland.....	Apr. 16-June 30.....	17	.....	
St. Michael.....	.....do.....	73	.....	
Do.....	July 1-15.....	2	.....	
Travastehus.....	Apr. 16-June 30.....	63	.....	
Do.....	July 1-15.....	5	.....	
Vasa.....	Apr. 16-June 14.....	12	.....	
Viborg.....	Apr. 16-June 30.....	340	.....	
Do.....	July 1-15.....	36	.....	
<b>France:</b>				
Havre.....	May 23-30.....	1	.....	
Marseille.....	May 1-June 30.....	.....	5	
Paris.....	May 11-June 28.....	17	28	
Do.....	June 29-Sept. 20.....	69	15	
Gibraltar.....	June 28-Aug. 16.....	1	2	One from Bay.
<b>Great Britain:</b>				
Bradford.....	Sept. 21-27.....	3	.....	
Cardiff.....	June 15-Sept. 20.....	10	.....	
Dundee.....	June 1-7.....	1	.....	
Do.....	Aug. 18-23.....	9	6	
Glasgow.....	June 8-21.....	5	.....	
Liverpool.....	June 22-28.....	1	.....	
Do.....	June 29-Sept. 6.....	6	.....	
London.....	May 25-June 28.....	13	.....	
Do.....	June 29-Aug. 9.....	18	2	
Manchester.....	July 27-Sept. 6.....	11	.....	
<b>Greece:</b>				
Drama.....	Sept. 29-Oct. 5.....	.....	.....	Present.
Saloniki.....	May 15-June 28.....	.....	48	
Do.....	June 29-Oct. 5.....	.....	73	
<b>India:</b>				
Bombay.....	Apr. 28-June 28.....	712	263	
Do.....	July 6-Sept. 20.....	99	63	
Calcutta.....	May 4-June 21.....	.....	444	
Do.....	June 29-Sept. 20.....	.....	171	
Karachi.....	May 4-June 21.....	28	17	
Do.....	Sept. 21-Oct. 4.....	19	19	
Madras.....	May 18-June 28.....	171	55	Jan. 19-25, 1919: Cases, 20; deaths, 25.
Do.....	July 6-Oct. 4.....	319	142	
Rangoon.....	Apr. 24-June 28.....	188	92	
Do.....	July 6-Sept. 20.....	77	25	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Indo-China:</b>				
Cochin China—				
Saigon.....	Apr. 21-May 18....	11	4	City and district.
Do.....	Aug. 11-Sept. 7....	6	1	
<b>Italy:</b>				
Genoa.....	July 7-Sept. 28....	20		Province, June 8-21, 1919: Cases, 23; deaths, 3.
Leghorna.....	June 16-29.....	2		
Messina.....	June 1-21.....	13		
Do.....	June 20-Oct. 5....	611	235	
Milan.....	Mar. 1-June 30....	50	8	
Milazzo.....	June 1-7.....	1	1	
Naples.....	June 2-29.....	103	91	
Do.....	June 30-Aug. 17....	122	119	
Palermo.....	May 2-June 20....	39	5	
Do.....	June 28-July 5....	37	9	
Trieste.....	Sept. 28-Oct. 4....	1		
Turin.....	May 18-June 29....	5	1	
Do.....	July 6-Sept. 7....	8		
Venice.....	May 26-June 1....	2		
<b>Japan:</b>				
Kobe.....	May 4-Sept. 7....	173	78	Entire island.
Nagoya.....	June 1-7.....	1	1	
Taiwan Island.....	May 21-Aug. 12....	20	6	
Tokyo.....	May 1-June 1....	2		
Yokohama.....	May 26-June 1....	1		
<b>Java:</b>				
East Java.....				Apr. 9-June 3, 1919: Cases, 3.
Surabaya.....	May 27-June 3....	2		July 9-Sept. 9, 1919: Cases, 3.
Do.....	July 30-Sept. 2....	6		
Mid-Java.....	Apr. 26-May 16....	7		
West Java.....				May 2-June 26, 1919: Cases, 615; deaths, 148. June 27-Sept. 11, 1919: Cases, 353; deaths, 78.
Batavia.....	Apr. 18-June 5....	4	1	
Do.....	July 25-Sept. 11....	66	15	
Buitenzorg.....	Aug. 15-21.....	5		
Garoet.....	do.....	41	6	
Meester Cornelis.....	Aug. 15-28.....	11	4	
Pandeglang.....	Aug. 22-28.....	4		
Tasikamelaya.....	Aug. 15-21.....	3	3	
Malla.....	May 1-31.....	1		
Do.....	Aug. 1-Sept. 30....	5	1	
<b>Manchuria:</b>				
Dairen.....	May 13-June 2....	3	2	Present.
Mukden.....	July 6-Sept. 13....			
<b>Mesopotamia:</b>				
Bagdad.....	May 29-30.....	1		
<b>Mexico:</b>				
Cananea.....	Feb. 1-28.....	7		State of Sonora.
Do.....	Apr. 1-30.....	1		
Guadalajara.....	June 1-30.....	1		
Mexico City.....	June 1-28.....	20	1	
Do.....	June 29-Sept. 6....	4		
Do.....	Sept. 28-Oct. 4....	2		
Piedras Negras.....	June 23-28.....	2	2	
Salina Cruz.....	Sept. 1-15.....	1		
Do.....	Sept. 17-30.....	2		
San Jeronimo.....	June 17-30.....	5		
San Luis Potosi.....	Sept. 7-13.....		1	
Do.....	Sept. 21-Oct. 25....		4	
Tehuantepec.....	Sept. 16.....	2		
Vera Cruz.....	June 29-Oct. 4....	8	9	
<b>Newfoundland:</b>				
St. Johns.....	Jan. 4-June 27....	67		Jan. 4-June 27, 1919: Outports, 412 cases. June 28-Sept. 5, 1919: Cases, 61. Sept. 20-Nov. 7, 1919: Cases, 12.
Do.....	June 28-Nov. 7....	9		Present on Pilley's Island. At Shout Arm, Oct. 24.
<b>Palestine:</b>				
Jaffa.....	Jan. 30-Feb. 5....	2		
<b>Philippine Islands:</b>				
Manila.....	May 11-17.....	1		
<b>Portugal:</b>				
Lisbon.....	July 26-Oct. 4....	85		
Oporto.....	June 1-28.....	25	33	
Do.....	June 29-Sept. 13....	77	45	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Portuguese East Africa:				
Lourenco Marques.....	Apr. 1-May 31....	2	1	
Russia:				
Riga.....	June 1-30.....			
Siberia:				
Vladivostok.....	June 8-30.....	45		
Do.....	July 1-31.....	12	3	
South Africa:				
Johannesburg.....	Aug. 1-31.....	4	1	
Spain:				
Almeria.....	May 18-June 30....	68	6	
Barcelona.....	May 15-June 19....	3	6	
Do.....	June 26-Oct. 7.....		47	
Bilbao.....	May 1-10.....	1		
Do.....	Aug. 1-Sept. 20....	6		
Cadiz.....	Apr. 1-May 31.....		5	
Do.....	July 1-31.....		2	
Madrid.....	May 1-31.....	3		
Do.....	Aug. 1-31.....	2		
Malaga.....	do.....		1	
Seville.....	do.....		1	
Valencia.....	May 11-June 29....	233	15	
Do.....	July 14-Sept. 13....	90	13	
Do.....	Sept. 21-27.....	2	1	
Do.....	Sept. 29-Oct. 14....	8	2	
Vigo.....	Apr. 12.....	2		
Do.....	July 6-Oct. 11.....	38	11	
Straits Settlements:				
Singapore.....	Mar. 24-May 17....	6	3	From vessel, Mar. 22, 1919:
Do.....	July 8-27.....	5	1	Present in villages in vicinity.
Sumatra:				
Belawan.....	Aug. 26-Sept. 4....			Present.
Medan.....	June 26-Aug. 17-23	2		Present in surrounding country
				June 26-July 12, 1919.
				June 22-July 12, 1919: Present in
				surrounding country.
Tunis:				
Tunis.....	June 15-28.....	2	1	
Do.....	June 29-July 5....	3	2	
Union of South Africa:				
Johannesburg.....	May 1-31.....	1		
On vessels:				
S. S. Eastern.....	Apr. 25-26.....	2	1	Death at sea. Second case landed at Woodmans Quarantine Station, Fremantle, Australia, Apr. 29. Vessel from England via Egypt and Colombo.
S. S. Glenaffric.....	Oct. 10.....	1		At Trinidad, West Indies. From Bahia. In person embarked at Bahia.
S. S. Karoa.....	Apr. 19.....	1		Landed at Colombo. Vessel from the United Kingdom via Egypt and Colombo.
S. S. Khyber.....	Apr. 10-May 4....	4		From Liverpool, via Port Said, Suez, and Colombo. One case landed at Port Said Apr. 10, 2 cases at Colombo, Apr. 22, 1 at quarantine, Fremantle, Australia, May 4, 1919.
S. S. Rio Negros.....	Oct. 4.....	1		At Port of Spain, Trinidad, from Bahia. From Montivideo, Aug. 31; Santos, Sept. 8; Rio de Janeiro, Sept. 15. Arrived Port of Spain, Oct. 4, 1919.
S. S. War Armour.....		7		En route from Naples to Aden and Colombo. Vessel arrived at Fremantle, Australia, June 22, 1919: Cases landed at Colombo.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **TYPHUS FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	May 1-June 30....	82	11	
Do.....	July 1-Aug. 31....	4		
Austria.....				Mar. 23-Apr. 5, 1919: Cases, 118.
Vienna.....	Mar. 23-Apr. 5....	9		
Brazil:				
Rio de Janeiro.....	May 4-June 21....	3		Mar. 30-Apr. 5, 1919: Cases, 2.
Do.....	July 6-Sept. 20....	9		
China:				
Antung.....	July 6-Aug. 12....	4		
Changsha.....	May 11-17....	1	1	
Chosen (Korea):				
Chemulpo.....	Apr. 1-June 30....	85	10	
Do.....	July 1-31....	1		
Fusan.....	May 1-June 30....	5	2	
Do.....	July 1-31....	1		
Seoul.....	Apr. 1-June 30....	147	28	
Do.....	July 1-31....	1		
Colombia:				
Baranquilla.....	July 12-19....		1	
Czecho-Slovakia:				
Prague.....	May 18-24....	1		
Egypt:				
Alexandria.....	May 14-June 29....	474	248	
Do.....	June 28-Oct. 14....	474	153	
Cairo.....	Jan. 2-Sept. 9....	4, 148	2, 296	
Port Said.....	Jan. 9-June 10....	11	7	
Do.....	July 16-Sept. 9....	11	5	
Finland.....				Apr. 16-June 30, 1919: Cases, 25.
Provinces—				
Abo Oeh Bjorneborg...	May 15....	1		
Nyland.....	Apr. 16-May 31....	4		
St. Michael.....	Apr. 16-June 30....	15		
Viborg.....	Apr. 16-June 14....	3		
Germany.....	Jan. 12-Feb. 22....	344		Military.
Do.....	Feb. 22-Mar. 22....	220		Civil.
Do.....	Mar. 23-Apr. 12....	333		Civil, military, prisoners of war, deserters.
Do.....	Apr. 13-26....	62		55 cases among German troops and among prisoners of war.
Do.....	Apr. 27-May 17....	126		Of these, 90 among Polish workmen and Russians; during same period, 105 cases among German troops and prisoners of war. In addition, Apr. 1-26, 41 cases were notified among Polish workmen and refugees.
Great Britain:				
Glasgow.....	June 8-July 5....	13	2	
Dublin.....	Aug. 17-30....	3		June 15-21, 1919: 1 case.
Dundee.....	June 30-July 5....	3		
Greece:				
Athens.....	July 21-27....		1	
Saloniki.....	May 15-June 14....		5	
Do.....	July 6-Aug. 23....		18	
Hungary.....				Feb. 24-May 9, 1919: Cases, 258.
Budapest.....	Sept. 24-May 9....	124	6	
Dubreezin.....	do.....	42		
Italy.....				Apr. 28-June 8, 1919: Cases 3,470—Austrian prisoners, 3,321; Italian soldiers, 82; civil population, 67.
Do.....				June 9-15, 1919: Present in 14 Provinces, with 761 cases, viz, Austrian prisoners, 631; Italian soldiers, 23; Roumanian soldiers, 97; civil population, 10.
Do.....				June 16-22, 1919: Present in 12 Provinces, with 127 cases, viz, Austrian prisoners, 102; Italian soldiers, 8; civil population, 12; Roumanian soldiers, 5.



# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Italy.....				June 23-29, 1919: Present in 14 Provinces, with 117 cases, viz, Austrian prisoners, 107; Italian soldiers, 3; civil population, 7.
Do.....				July 6-13, 1919: Cases, 14, occurring in 7 Provinces—7 prisoners of war, 5 civilians, 2 Italian soldiers.
Do.....				July 21-27, 1919: Cases, 5 occurring in 4 Provinces—1 Austrian prisoner; 4 civil population.
Do.....				July 28-Aug. 3, 1919: 6 cases in 3 Provinces; civil population.
Genoa.....	June 25-July 1....	91		
Naples.....	May 12-June 22....	50	16	
Do.....	June 30-Aug. 17....	17	6	
Palermo.....	July 21-27.....	2		
Venice.....	Apr. 27-June 14....	58	9	
Do.....	June 30-Sept. 14....	42	6	
Trieste.....	June 6-12.....	1		
India:				
Rangoon.....	July 1-31.....		21	
Japan:				
Nagasaki.....	June 16-July 1....	3		
Do.....	July 14-Oct. 12....	15	7	
Java:				
East Java—				
Paseroean.....	Aug. 6-12.....	2		
Do.....	Aug. 20-Sept. 2....	2	1	
Surabaya.....	July 20-Aug. 19....	5	1	
West Java—				
Bandoeng.....	Aug. 15-21.....	5		
Batavia.....	Aug. 8-14.....	12	2	
Buitenzorg.....	Aug. 22-28.....	3		
Mesopotamia:				
Bagdad.....	Apr. 19-June 6....	34	22	
Do.....	July 26-Aug. 1....	2		
Mexico:				
Guadalupe.....	May 1-31.....	1		
Do.....	Sept. 24-30.....	3		
Mexico City.....	May 4-June 28....	216		
Do.....	June 29-Oct. 4....	313		
San Luis Potosi.....	July 27-Oct. 11....			Present and in surrounding country.
Newfoundland:				
St. Johns.....	June 21-27.....	1		From vessel.
Palestine:				
Jaffa.....				Oct. 22-Dec. 22, 1918: Cases, 8; deaths, 3.
Portugal:				
Lisbon.....	June 22-28.....	1		
Do.....	July 26-Aug. 23....	13	2	
Oporto.....	June 1-15.....	52		
Do.....	June 30-Sept. 13....	94	42	
Russia:				
Archangel.....	May 15-June 1....	9	2	
Riga.....	May 1-June 30....	2,826		
Siberia:				
Vladivostok.....	June 9-30.....	104	9	
Do.....	July 1-31.....	56	13	
Spain:				
Barcelona.....	May 15-21.....		1	
Madrid.....	May 1-31.....		1	
Do.....	Aug. 1-31.....	1		
Sumatra:				
Medan.....	June 26-Aug. 23....	35	4	
Switzerland:				
Zurich.....	Sept. 7-20.....	9		
Syria:				
Mersina.....	Feb. 13-19.....			Present.
Smyrna.....	Sept. 20.....			Do.
Tunis:				
Tunis.....	May 24-June 21....	3	1	
Do.....	July 20-Oct. 18....	3	4	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from June 28 to Nov. 21, 1919—Continued.**

## **YELLOW FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	Apr. 12-June 14...	48	15	Jan. 12-May 17, 1919: Cases, 43; deaths, 25. July 29, 1919, reported seriously prevalent in States of Bahia and Pernambuco.
Pernambuco.....	Sept. 15-21.....	1	1	
Canal Zone.....	Aug. 10-12.....	1	1	Patient at Corinto, Nicaragua, at quarantine from S. S. Salvador.
Ecuador:				
Guayaquil.....	May 1-31.....	1	1	July 31, 1919: At Leon, Nicaragua; Aug. 2, 1919. Embarked Aug. 6 at Corinto.
Naranjito.....	May 1-June 15....	2	1	
Honduras:				
Amapala.....	Aug. 28-Sept. 6....	9	1	
Mexico:				
Merida.....	June 30-Oct. 4....	31	9	State of Yucatan.
Temax.....	Sept. 14-20.....	2	2	
Nicaragua:				
Chinandega.....	Oct. 16.....			Present.
Leon.....	Sept. 1-Oct. 16....			Present, and in vicinity.
Managua.....	Oct. 16.....			Present.
Peru:				
Department of Piura—				
Paíta.....	July 10-22.....	8	5	June 1-Aug. 12, 1912: Cases, 10; deaths, 6. June 1-Aug. 12, 1919: Cases, 90; deaths, 20.
Piura.....	...do.....	46	10	
Salvador:				
La Union.....	July 6.....	2		75 miles from city of San Salvador.
St. Miguel.....	June 21-July 6....	4		
San Salvador.....	...do.....	1	1	